



Proxy Statement and
Annual Report

2019



Okta, Inc.
100 First Street, Suite 600
San Francisco, California 94105

May 2, 2019

Dear Okta Stockholder:

I am pleased to invite you to attend the 2019 Annual Meeting of Stockholders (the “Annual Meeting”) of Okta, Inc. (“Okta”) to be held on June 13, 2019 at 9:00 a.m. Pacific Time. The Annual Meeting will be held virtually via a live interactive audio webcast on the Internet. You will be able to vote and submit your questions at www.virtualshareholdermeeting.com/OKTA2019 during the meeting.

Details regarding the meeting and the business to be conducted are more fully described in the accompanying Notice of 2019 Annual Meeting of Stockholders and Proxy Statement. You are entitled to vote at our Annual Meeting and any adjournments, continuations or postponements of our Annual Meeting only if you were a stockholder as of the close of business on April 18, 2019.

Thank you for your ongoing support of Okta.

Sincerely,

A handwritten signature in black ink, appearing to read "Todd McKinnon".

Todd McKinnon
Chairperson of the Board of Directors and Chief Executive Officer

YOUR VOTE IS IMPORTANT

On or about May 2, 2019, we expect to mail to our stockholders a Notice of Internet Availability of Proxy Materials (the “Notice”) containing instructions on how to access our proxy statement for our 2019 Annual Meeting of Stockholders (the “Proxy Statement”) and our 2019 Annual Report on Form 10-K (“2019 Annual Report”). The Notice provides instructions on how to vote online or by telephone and includes instructions on how to receive a paper copy of proxy materials by mail. This Proxy Statement and our 2019 Annual Report can be accessed directly at the Internet address www.proxyvote.com using the control number located on the Notice, on your proxy card or in the instructions that accompanied your proxy materials. A copy of our 2019 Annual Report and Proxy Statement are also available on our investor relations website at investor.okta.com.

Whether or not you plan to attend the meeting, please ensure that your shares are voted at the Annual Meeting by signing and returning a proxy card or by using our Internet or telephonic voting system.

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Okta, Inc.
100 First Street, Suite 600
San Francisco, California 94105

NOTICE OF 2019 ANNUAL MEETING OF STOCKHOLDERS TO BE HELD ON JUNE 13, 2019

Notice is hereby given that Okta, Inc. will hold its 2019 Annual Meeting of Stockholders (the "Annual Meeting") on June 13, 2019 at 9:00 a.m. Pacific Time via a live interactive audio webcast on the Internet. You will be able to vote and submit your questions at www.virtualshareholdermeeting.com/OKTA2019 during the meeting. We are holding the Annual Meeting for the following purposes, which are more fully described in the accompanying proxy statement:

- To elect three Class II directors to hold office until the 2022 Annual Meeting of Stockholders or until their successors are duly elected and qualified, subject to their earlier resignation or removal;
- To ratify the appointment of Ernst & Young LLP as our independent registered public accounting firm for the fiscal year ending January 31, 2020;
- To conduct an advisory non-binding vote to approve the compensation of our named executive officers;
- To conduct an advisory non-binding vote on the frequency of future advisory non-binding votes to approve the compensation of our named executive officers; and
- To transact any other business that properly comes before the Annual Meeting (including adjournments, continuations and postponements thereof).

Our board of directors recommends that you vote "**FOR**" the director nominees named in Proposal One, "**FOR**" the ratification of the appointment of Ernst & Young LLP as our independent registered public accounting firm as described in Proposal Two, "**FOR**" the approval, on an advisory non-binding basis, of the compensation of our named executive officers as described in Proposal Three, and "**ONE YEAR**" as the preferred frequency for future advisory non-binding votes to approve the compensation of our named executive officers as described in Proposal Four.

We have elected to provide access to our Annual Meeting materials, which include the proxy statement for our 2019 Annual Meeting of Stockholders (the "Proxy Statement") accompanying this notice, in lieu of mailing printed copies. On or about May 2, 2019, we expect to mail to our stockholders a Notice of Internet Availability of Proxy Materials (the "Notice") containing instructions on how to access our Proxy Statement and our 2019 Annual Report on Form 10-K ("2019 Annual Report"). The Notice provides instructions on how to vote online or by telephone and includes instructions on how to receive a paper copy of the proxy materials by mail. Our Proxy Statement and our 2019 Annual Report can be accessed directly at the Internet address www.proxyvote.com using the control number located on your Notice, on your proxy card or in the instructions that accompanied your proxy materials.

Only stockholders of record at the close of business on April 18, 2019 (the "Record Date") are entitled to notice of and to vote at the Annual Meeting as set forth in the Proxy Statement.

By Order of the Board of Directors,

A handwritten signature in black ink, appearing to read "Jonathan T. Runyan". The signature is fluid and cursive, starting with a large, sweeping initial "J" and ending with a long, horizontal tail stroke.

Jonathan T. Runyan
General Counsel and Corporate Secretary

San Francisco, California
May 2, 2019

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OKTA, INC.

**2019 ANNUAL MEETING OF STOCKHOLDERS
PROXY STATEMENT**

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Okta, Inc.
100 First Street, Suite 600
San Francisco, California 94105

PROXY STATEMENT
FOR THE 2019 ANNUAL MEETING OF STOCKHOLDERS
TO BE HELD JUNE 13, 2019

GENERAL INFORMATION

Our board of directors (“board”) solicits your proxy on our behalf for the 2019 Annual Meeting of Stockholders (the “Annual Meeting”) and at any adjournment, continuation or postponement of the Annual Meeting for the purposes set forth in this proxy statement for our 2019 Annual Meeting of Stockholders (this “Proxy Statement”) and the accompanying Notice of 2019 Annual Meeting of Stockholders. The Annual Meeting will be held virtually via a live interactive audio webcast on the Internet on June 13, 2019 at 9:00 a.m. Pacific Time. On or about May 2, 2019, we mailed our stockholders a Notice of Internet Availability of Proxy Materials (the “Notice”) containing instructions on how to access this Proxy Statement and our 2019 Annual Report on Form 10-K (“2019 Annual Report”). If you held shares of our Class A or Class B common stock on April 18, 2019 you are invited to attend the meeting at www.virtualshareholdermeeting.com/OKTA2019 and vote on the proposals described in this Proxy Statement.

In this Proxy Statement the terms “Okta,” “the company,” “we,” “us,” and “our” refer to Okta, Inc. and its subsidiaries. The mailing address of our principal executive offices is Okta, Inc., 100 First Street, Suite 600, San Francisco, California 94105.

What matters are being voted on at the Annual Meeting? You will be voting on:

- The election of three Class II directors to serve until the 2022 Annual Meeting of Stockholders or until their successors are duly elected and qualified;
- A proposal to ratify the appointment of Ernst & Young LLP as our independent registered public accounting firm for the fiscal year ending January 31, 2020;
- A proposal to conduct an advisory non-binding vote to approve the compensation of our named executive officers;
- A proposal to conduct an advisory non-binding vote on the frequency of future advisory non-binding votes to approve the compensation of our named executive officers; and
- Any other business as may properly come before the Annual Meeting.

How does the board of directors recommend that I vote on these proposals?

Our board recommends a vote:

- **“FOR”** the election of J. Frederic Kerrest, Rebecca Saeger and Michelle Wilson as Class II directors;
- **“FOR”** the ratification of the appointment of Ernst & Young LLP as our independent registered public accounting firm for the fiscal year ending January 31, 2020;

- “**FOR**” the approval, on an advisory non-binding basis, of the compensation of our named executive officers, as disclosed in this Proxy Statement; and
- “**ONE YEAR**” as the preferred frequency for future advisory non-binding votes to approve the compensation of our named executive officers.

Who is entitled to vote?

Holders of either class of our common stock as of April 18, 2019, the record date for our Annual Meeting (the “Record Date”), may vote at the Annual Meeting.

As of the Record Date, there were 103,888,106 shares of our Class A common stock and 10,202,085 shares of our Class B common stock outstanding. Our Class A common stock and Class B common stock will vote as a single class on all matters described in this Proxy Statement for which your vote is being solicited. Stockholders are not permitted to cumulate votes with respect to the election of directors. Each share of Class A common stock is entitled to one vote on each proposal and each share of Class B common stock is entitled to 10 votes on each proposal. Our Class A common stock and Class B common stock are collectively referred to in this Proxy Statement as our “common stock.”

Registered Stockholders. If shares of our common stock are registered directly in your name with our transfer agent, Computershare, you are considered the stockholder of record with respect to those shares. As the stockholder of record, you have the right to vote by Internet during the meeting or vote through the Internet, by telephone, or if you request or receive paper proxy materials by mail, by filling out and returning the proxy card. Throughout this Proxy Statement, we refer to these registered stockholders as “stockholders of record.”

Street Name Stockholders. If shares of our common stock are held on your behalf in a brokerage account or by a bank or other nominee, you are considered to be the beneficial owner of shares that are held in “street name,” and the Notice was forwarded to you by your broker or nominee, who is considered the stockholder of record with respect to those shares. As the beneficial owner, you have the right to direct your broker, bank or other nominee as to how to vote your shares. Beneficial owners are also invited to attend the Annual Meeting. However, since a beneficial owner is not the stockholder of record, you may not vote your shares of our common stock at the Annual Meeting unless you request and obtain a valid proxy from the organization that holds your shares giving you the right to vote at the meeting. If you request a printed copy of our proxy materials by mail, your broker, bank or other nominee will provide a voting instruction form for you to use. Throughout this Proxy Statement, we refer to stockholders who hold their shares through a broker, bank or other nominee as “street name stockholders.”

What do I need to be able to attend the Annual Meeting online?

We will be hosting our Annual Meeting via live webcast only. Any stockholder can attend the Annual Meeting live online at www.virtualshareholdermeeting.com/OKTA2019. The webcast will start at 9:00 a.m. Pacific Time on June 13, 2019. Stockholders may vote and ask questions while attending the Annual Meeting online. In order to be able to attend the Annual Meeting, you will need the 16-digit control number, which is located on your Notice, on your proxy card or in the instructions accompanying your proxy materials. Instructions on how to participate in the Annual Meeting are also posted online at www.proxyvote.com.

How many votes are needed for the approval of each proposal?

Proposal One. The election of directors requires a plurality of the voting power of the shares of our common stock present in person or by proxy at the Annual Meeting and entitled to vote thereon to be approved. “Plurality” means that the nominees who receive the largest number of votes cast “For” such nominees are elected as directors. As a result, any shares not voted “For” a particular nominee (whether as a result of stockholder abstention or a broker non-vote) will not be counted in such nominee’s favor and will have no effect on the outcome of the election. You may vote “For” or “Withhold” on each of the nominees for election as a director.

Proposal Two. The ratification of the appointment of Ernst & Young LLP as our independent registered public accounting firm for our fiscal year ending January 31, 2020 requires the affirmative vote of a majority of the voting power of the shares of our common stock present in person or by proxy at the Annual Meeting and entitled to vote thereon to be approved. Abstentions are considered shares present and entitled to vote on this proposal, and thus, will have the same effect as a vote “Against” this proposal. Broker non-votes will have no effect on the outcome of this proposal.

Proposal Three. The approval of the compensation of our named executive officers requires the affirmative vote of a majority of the voting power of the shares of our common stock present in person or by proxy at the Annual Meeting and entitled to vote thereon. Since this proposal is an advisory vote, the result will not be binding on our board, our compensation committee, or us. Our board and our compensation committee will consider the outcome of the vote when determining the compensation of our named executive officers. Abstentions have the same effect as a vote “Against” this proposal. Broker non-votes will have no effect on the outcome of this proposal.

Proposal Four. The frequency receiving the highest number of votes from the voting power of shares of our common stock present in person or by proxy and entitled to vote will be considered the frequency preferred by the stockholders. Since this proposal is an advisory vote, the result will not be binding on our board, our compensation committee, or us. Our board and our compensation committee will consider the outcome of the vote when determining how often we should submit to stockholders future advisory votes to approve the compensation of our named executive officers. Broker non-votes and abstentions will have no effect on the outcome of this proposal.

What is the quorum requirement?

A quorum is the minimum number of shares required to be present at the Annual Meeting to properly hold an Annual Meeting of Stockholders and conduct business under our bylaws and Delaware law. The presence, in person or by proxy, of a majority of the voting power of all issued and outstanding shares of our common stock entitled to vote on the Record Date will constitute a quorum at the Annual Meeting. Abstentions, withhold votes and broker non-votes are counted as shares present and entitled to vote for the purposes of determining a quorum.

How do I vote?

If you are a stockholder of record, there are four ways to vote:

- (1) by Internet at www.proxyvote.com 24 hours a day, seven days a week, until 11:59 p.m. Eastern Time on June 12, 2019 (have your Notice or proxy card in hand when you visit the website);
- (2) by toll-free telephone at 1-800-690-6903, until 11:59 p.m. Eastern Time on June 12, 2019 (have your Notice or proxy card in hand when you call);
- (3) by completing and mailing your proxy card (if you received printed proxy materials); or
- (4) by Internet during the Annual Meeting. Instructions on how to attend and vote at the Annual Meeting are described at www.virtualshareholdermeeting.com/OKTA2019.

In order to be counted, proxies submitted by telephone or Internet must be received by 11:59 p.m. Eastern Time on June 12, 2019. Proxies submitted by U.S. mail must be received before the start of the Annual Meeting.

If you are a street name stockholder, please follow the instructions from your broker, bank or other nominee to vote by Internet, telephone or mail. Street name stockholders may not vote via the Internet at the Annual Meeting unless they receive a legal proxy from their respective brokers, banks or other nominees.

Can I change my vote?

Yes. If you are a stockholder of record, you can change your vote or revoke your proxy by:

- notifying our Corporate Secretary, in writing, at Okta, Inc., 100 First Street, Suite 600, San Francisco, California 94105 before the vote is counted;
- voting again using the telephone or Internet before 11:59 p.m. Eastern Time on June 12, 2019 (your latest telephone or Internet proxy is the one that will be counted); or
- attending and voting during the Annual Meeting. Simply logging into the Annual Meeting will not, by itself, revoke your proxy.

If you are a street name stockholder, you may revoke any prior voting instructions by contacting your broker, bank or other nominee.

What is the effect of giving a proxy?

Proxies are solicited by and on behalf of our board. Todd McKinnon, J. Frederic Kerrest, William E. Losch and Jonathan T. Runyan have been designated as proxy holders by our board. When proxies are properly granted, the shares represented by such proxies will be voted at the Annual Meeting in accordance with the instructions of the stockholder. If no specific instructions are given, however, the shares will be voted in accordance with the recommendations of our board as described above. If any matters not described in this Proxy Statement are properly presented at the Annual Meeting, the proxy holders will use their own judgment to determine how to vote the shares. If the Annual Meeting is adjourned, continued or postponed, the proxy holders can vote the shares on the new Annual Meeting date as well, unless the stockholder has properly revoked the stockholder's proxy instructions, as described above.

What is the effect of abstentions and broker non-votes?

Votes withheld from any nominee, abstentions and "broker non-votes" (*i.e.*, where a broker has not received voting instructions from the beneficial owner and for which the broker does not have discretionary power to vote on a particular matter) are counted as present for purposes of determining the presence of a quorum. Shares voting "Withhold" have no effect on the election of directors. Abstentions have the same effect as a vote "Against" (i) the ratification of the appointment of Ernst & Young LLP as our independent registered public accounting firm for the fiscal year ending January 31, 2020 and (ii) the advisory non-binding approval of the compensation of our named executive officers. Abstentions will have no effect on the advisory non-binding vote on the frequency of future advisory non-binding votes to approve the compensation of our named executive officers.

Brokerage firms and other intermediaries holding shares of our common stock in street name for their customers are generally required to vote such shares in the manner directed by their customers. In the absence of timely directions, your broker will have discretion to vote your shares on our sole "routine" matter, the proposal to ratify the appointment of Ernst & Young LLP as our independent registered public accounting firm for our fiscal year ending January 31, 2020. Absent direction from you, your broker will not have discretion to vote on any other proposals, which are "non-routine" matters.

Why did I receive a Notice of Internet Availability of Proxy Materials instead of a full set of proxy materials?

In accordance with the rules of the U.S. Securities and Exchange Commission (the "SEC"), we have elected to furnish our proxy materials, including this Proxy Statement and our 2019 Annual Report, primarily via the Internet. On or about May 2, 2019, we mailed to our stockholders a Notice that contains instructions on how to access our proxy materials on the Internet, how to vote at the meeting and how to request printed copies of the proxy materials and 2019 Annual Report. Stockholders may request to receive all future proxy materials in printed form by mail or electronically by e-mail by following the instructions contained in the Notice. We encourage stockholders to take advantage of the availability of the proxy materials on the Internet to help reduce the environmental impact of our Annual Meetings of Stockholders.

Where can I find the voting results of the Annual Meeting?

We will announce preliminary results at the Annual Meeting. We will also disclose final results by filing a Current Report on Form 8-K within four business days after the Annual Meeting. If final results are not available at that time, we will provide preliminary voting results in the Current Report on Form 8-K and will provide the final results in an amendment to the Current Report on Form 8-K as soon as they become available.

How are proxies solicited for the Annual Meeting?

Our board is soliciting proxies for use at the Annual Meeting. All expenses associated with this solicitation will be borne by us. We will reimburse brokers or other nominees for reasonable expenses that they incur in sending our proxy materials to you if a broker, bank or other nominee holds shares of our common stock on your behalf. In addition, our directors and employees may also solicit proxies in person, by telephone or by other means of communication. Our directors and employees will not be paid any additional compensation for soliciting proxies.

I share an address with another stockholder, and we received only one paper copy of the proxy materials. How may I obtain an additional copy of the proxy materials?

We have adopted a procedure called “householding,” which the SEC has approved. Under this procedure, we deliver a single copy of the Notice and, if applicable, our proxy materials to multiple stockholders who share the same address, unless we have received contrary instructions from one or more of such stockholders. This procedure reduces our printing costs, mailing costs and fees. Stockholders who participate in householding will continue to be able to access and receive separate proxy cards. Upon written or oral request, we will deliver promptly a separate copy of the Notice and, if applicable, our proxy materials to any stockholder at a shared address to which we delivered a single copy of any of these materials. To receive a separate copy, or, if a stockholder is receiving multiple copies, to request that we only send a single copy of the Notice and, if applicable, our proxy materials, such stockholder may contact us at:

Okta, Inc.
Attention: Investor Relations
100 First Street, Suite 600
San Francisco, California 94105

Street name stockholders may contact their broker, bank or other nominee to request information about householding.

What is the deadline to propose actions for consideration at next year's Annual Meeting of Stockholders or to nominate individuals to serve as directors?

Stockholder Proposals

Stockholders may present proper proposals for inclusion in our proxy statement and for consideration at next year's Annual Meeting of Stockholders by submitting their proposals in writing to our Corporate Secretary in a timely manner. For a stockholder proposal to be considered for inclusion in our proxy statement for the 2020 Annual Meeting of Stockholders, our Corporate Secretary must receive the written proposal at our principal executive offices not later than January 3, 2020. In addition, stockholder proposals must comply with the requirements of Rule 14a-8 regarding the inclusion of stockholder proposals in company-sponsored proxy materials. Stockholder proposals should be addressed to:

Okta, Inc.
Attention: Corporate Secretary
100 First Street, Suite 600
San Francisco, California 94105

Our bylaws also establish an advance notice procedure for stockholders who wish to present a proposal before an Annual Meeting of Stockholders but do not intend for the proposal to be included in our proxy statement. Our bylaws provide that the only business that may be conducted at an Annual Meeting of Stockholders is business that is (i) specified in our proxy materials with respect to such Annual Meeting of Stockholders, (ii) otherwise properly brought before such Annual Meeting of Stockholders by or at the direction of our board or (iii) properly brought before such meeting by a stockholder of record entitled to vote at such Annual Meeting of Stockholders who has delivered timely written notice to our Corporate Secretary, which notice must contain the information specified in our bylaws. To be timely for the 2020 Annual Meeting of Stockholders, our Corporate Secretary must receive the written notice at our principal executive offices:

- not earlier than February 17, 2020; and
- not later than the close of business on March 18, 2020.

In the event we hold the 2020 Annual Meeting of Stockholders more than 30 days before or more than 60 days after the one-year anniversary of the Annual Meeting of Stockholders, then, for notice by the stockholder to be timely, it must be received by the Corporate Secretary not earlier than the close of business on the 120th day prior to such Annual Meeting of Stockholders and not later than the close of business on the later of the 90th day prior to such Annual Meeting of Stockholders, or the tenth day following the day on which public announcement of the date of such Annual Meeting is first made.

If a stockholder who has notified us of his, her or its intention to present a proposal at an Annual Meeting of Stockholders does not appear to present his, her or its proposal at such Annual Meeting of Stockholders, we are not required to present the proposal for a vote at such Annual Meeting of Stockholders.

Nomination of Director Candidates

Holders of our common stock may propose director candidates for consideration by our nominating and corporate governance committee (the “nominating committee”). Any such recommendations must include the nominee’s name and qualifications for membership on our board and be directed to our Corporate Secretary at the address set forth above. For additional information regarding stockholder recommendations for director candidates, see the section titled “Corporate Governance—Stockholder Recommendations.”

In addition, our bylaws permit stockholders to nominate directors for election at an Annual Meeting of Stockholders. To nominate a director, a stockholder must provide the information required by our bylaws. In addition, the stockholder must give timely notice to our Corporate Secretary in accordance with our bylaws, which, in general, require that the notice be received by our Corporate Secretary within the time periods described above under the section titled “Stockholder Proposals” for stockholder proposals that are not intended to be included in a proxy statement.

Availability of Bylaws

A copy of our bylaws is available via the SEC’s website at www.sec.gov. You may also contact our Corporate Secretary at the address set forth above for a copy of the relevant bylaw provisions regarding the requirements for making stockholder proposals and nominating director candidates.

Why is this Annual Meeting being held virtually?

We are excited to embrace the latest technology to provide ease of access, real-time communication and cost savings for our stockholders and our company. Hosting a virtual meeting provides easy access for our stockholders and facilitates participation since stockholders can participate from any location around the world.

You will be able to participate in the Annual Meeting of Stockholders online and submit your questions during the meeting by visiting www.virtualshareholdermeeting.com/OKTA2019. You also will be able to vote your shares electronically prior to or during the Annual Meeting.

How can I submit a question at the Annual Meeting?

If you want to submit a question during the Annual Meeting, log into www.virtualshareholdermeeting.com/OKTA2019, type your question into the “Ask a Question” field, and click “Submit.” Questions pertinent to meeting matters will be read and answered during the meeting, subject to time constraints. The questions and answers will be available as soon as practical after the Annual Meeting at investor.okta.com and will remain available for one week after posting.

What if I have technical difficulties or trouble accessing the Annual Meeting?

If you encounter any technical difficulties with the virtual meeting platform on the meeting day, please call (800) 586-1548 (Toll Free) or (303) 562-9288 (International Toll). Technical support will be available starting at 8:30 a.m. Pacific Time on June 13, 2019 and will remain available until the Annual Meeting has ended.

PROPOSAL ONE:

ELECTION OF DIRECTORS

Board Structure

Our board is divided into three staggered classes of directors. One class is elected each year at the Annual Meeting of Stockholders for a term of three years. The term of the Class II directors expires at the Annual Meeting. The term of the Class III directors expires at the 2020 Annual Meeting of Stockholders and the term of the Class I directors expires at the 2021 Annual Meeting of Stockholders. Following re-election of a director, such director is expected to hold office for a three-year term or until the election and qualification of his or her successor in office.

Nominees

Our board has nominated Mr. J. Frederic Kerrest and Mses. Rebecca Saeger and Michelle Wilson for re-election as Class II directors to hold office until the 2022 Annual Meeting of Stockholders or until their successors are duly elected and qualified, subject to their earlier resignation or removal. Each of the nominees is a current Class II director and member of our board and has consented to serve if elected.

Unless you direct otherwise through your proxy voting instructions, the persons named as proxies will vote all proxies received **“FOR”** the election of each nominee. If any nominee is unable or unwilling to serve at the time of the Annual Meeting, the persons named as proxies may vote for a substitute nominee chosen by our present board. In the alternative, the proxies may vote only for the remaining nominees, leaving a vacancy on our board. Our board may fill such vacancy at a later date or reduce the size of our board. We have no reason to believe that any of the nominees will be unwilling or unable to serve if elected as a director.

Recommendation of our Board

OUR BOARD RECOMMENDS THAT YOU VOTE “FOR” THE ELECTION OF EACH OF THE NOMINEES.

The biographies of each of the nominees and continuing directors below contain information regarding each such person’s service as a director, business experience, director positions held currently or at any time during the last five years and the experiences, qualifications, attributes or skills that caused our board to determine that the person should serve as a director of the company. In addition to the information presented below regarding each nominee’s and continuing director’s specific experience, qualifications, attributes and skills that led our board to the conclusion that he or she should serve as a director, we also believe that each of our directors has a reputation for integrity, honesty and adherence to high ethical standards. Each of our directors has demonstrated business acumen and an ability to exercise sound judgment, as well as a commitment of service to our company and our board. Finally, we value our directors’ experience in relevant areas of business management and on other boards of directors and board committees.

Our corporate governance guidelines also dictate that a majority of our board be comprised of directors whom our board has determined are “independent” directors under the published listing requirements of the NASDAQ Stock Market LLC (the “NASDAQ”).

Directors

The following table sets forth information regarding our directors, including their ages, as of April 18, 2019:

<u>Name</u>	<u>Age</u>	<u>Positions and Offices Held with the Company</u>	<u>Class</u>
<i>Employee Directors:</i>			
Todd McKinnon	47	Chairperson of the Board of Directors, Chief Executive Officer and Director	Class I
J. Frederic Kerrest	42	Executive Vice Chairperson of the Board of Directors, Chief Operating Officer and Director	Class II
<i>Non-Employee Directors:</i>			
Shellye Archambeau ⁽¹⁾	56	Director	Class III
Patrick Grady ⁽¹⁾	36	Director	Class III
Ben Horowitz ⁽²⁾	52	Director	Class III
Michael Kourey ⁽¹⁾	59	Director	Class I
Rebecca Saeger ⁽³⁾⁽⁴⁾	64	Director	Class II
Michael Stankey ⁽³⁾⁽⁴⁾	60	Director	Class I
Michelle Wilson ⁽³⁾⁽⁴⁾	56	Director	Class II

- (1) Member of our audit committee.
- (2) Lead independent director.
- (3) Member of our compensation committee.
- (4) Member of our nominating committee.

Information Concerning Director Nominees

J. Frederic Kerrest. Mr. Kerrest co-founded Okta and has served as our Chief Operating Officer and as a member of our board since July 2009. Mr. Kerrest was appointed Executive Vice Chairperson of our board in March 2019. From August 2002 to February 2007, Mr. Kerrest served in a variety of sales and business development roles at salesforce.com, inc., a cloud-based customer relationship management company. Mr. Kerrest holds a Masters in Business Administration from the MIT Sloan School of Management and a Bachelor of Science in computer science from Stanford University.

We believe that Mr. Kerrest is qualified to serve as a member of our board because of his experience and perspective as our Chief Operating Officer and co-founder.

Rebecca Saeger. Ms. Saeger has served as a member of our board since January 2019. Ms. Saeger served as an Executive Vice President at Charles Schwab from 2004 until 2011, most recently as Chief Marketing Officer. Prior to joining Charles Schwab, she was Executive Vice President, Marketing at Visa U.S.A. Before joining Visa, Ms. Saeger was Senior Vice President and head of Account Management at Foote, Cone & Belding and Senior Vice President at Ogilvy & Mather. Since February 2012, Ms. Saeger has served on the board of directors of E*TRADE Financial Corporation, a financial services company, and as a member of the E*TRADE Bank board. She holds a B.A. from Muhlenberg College and an M.B.A. from the Wharton School at the University of Pennsylvania.

We believe that Ms. Saeger is qualified to serve as a member of our board because of her valuable expertise in consumer and business-to-business marketing, strategic planning and brand development and her experience serving on other boards.

Michelle Wilson. Ms. Wilson has served as a member of our board since August 2015. Ms. Wilson has served on the board of directors of Zendesk Inc., a software development company that provides a SaaS customer service platform, since 2014, and she has served on the board of directors of Pinterest, Inc., a visual discovery engine, since May 2016. Ms. Wilson also currently serves on the board of directors of a private company.

From 1999 to 2012, Ms. Wilson served as Senior Vice President and General Counsel, and held a variety of other senior roles, at Amazon.com Inc., an electronic commerce and cloud computing company. Prior to Amazon.com, Ms. Wilson was a Partner at Perkins Coie LLP, a law firm. Ms. Wilson holds a Juris Doctor from University of Chicago and a Bachelor of Arts in finance from University of Washington.

We believe that Ms. Wilson is qualified to serve as a member of our board because of her experience as a public company board member, her experience as a public company executive officer with primary responsibility for advising on legal and corporate governance issues, her extensive experience advising an internet services company and her knowledge of the industry in which we operate.

Information Concerning Continuing Directors

Shellye Archambeau. Ms. Archambeau has served as a member of our board since December 2018. Ms. Archambeau is the former Chief Executive Officer of MetricStream, Inc., a leading provider of governance, risk, compliance and quality management solutions to corporations across diverse industries. She served in this role from 2002 until 2018. Prior to that, Ms. Archambeau served as Chief Marketing Officer and Executive Vice President of Sales for Loudcloud, Inc., Chief Marketing Officer of NorthPoint Communications, and President of Blockbuster Inc.'s e-commerce division. Before she joined Blockbuster, she held domestic and international executive positions during a 15-year career at IBM. Ms. Archambeau has served on the board of Nordstrom, Inc. since 2015, been a director of Verizon, Inc. since December 2013, served on the board of Roper Technologies since April 2018, and in the past five years, she has served on the board of Arbitron, Inc.

We believe that Ms. Archambeau is qualified to serve as a member of our board because of her valuable knowledge of technology, digital media and communications platforms and her experience serving on other boards.

Patrick Grady. Mr. Grady has served as a member of our board since May 2014. Since March 2007, Mr. Grady has served in various roles at Sequoia Capital, a venture capital firm, where he currently serves as a Managing Member. From July 2004 to February 2007, Mr. Grady served as an associate at Summit Partners, a venture capital and private equity firm. Since January 2013, Mr. Grady has served as a member of the board of directors of Prosper Marketplace, Inc., a peer-to-peer lending platform. Mr. Grady also currently serves on the board of directors of several private companies. Mr. Grady holds a Bachelor of Science in economics and finance from Boston College.

We believe that Mr. Grady is qualified to serve as a member of our board because of his significant knowledge of and history with our company, his experience as a seasoned investor and as a current and former director of many companies and his knowledge of the industry in which we operate.

Ben Horowitz. Mr. Horowitz has served as a member of our board since February 2010. Mr. Horowitz is a co-founder and has served as a General Partner of Andreessen Horowitz, a venture capital firm, since July 2009. From September 2007 to October 2008, Mr. Horowitz served as a Vice President and General Manager at Hewlett-Packard Company, an information technology company. From September 1999 to September 2007, Mr. Horowitz co-founded and served as the President and Chief Executive Officer of Opsware Inc., a computer software company. Since June 2016, Mr. Horowitz has served as a member of the board of directors of Lyft, Inc., which operates a multimodal transportation network. Mr. Horowitz also currently serves on the board of directors of several private companies. Mr. Horowitz holds a Master of Science in computer science from the University of California, Los Angeles and a Bachelor of Arts in computer science from Columbia University.

We believe that Mr. Horowitz is qualified to serve as a member of our board because of his significant knowledge of and history with our company, his experience as a company executive, a seasoned investor and a current and former director of many companies and his knowledge of the industry in which we operate.

Michael Kourey. Mr. Kourey has served as a member of our board since October 2015. Since January 2019, Mr. Kourey has served as the Chief Financial Officer of Vlocity Inc., a cloud software company. From June 2015 to November 2018, Mr. Kourey served as the Chief Financial Officer of Medallia, Inc., a cloud-based customer experience management company. From May 2013 to March 2015, Mr. Kourey served as a Partner at Khosla Ventures, a venture capital firm, where he previously served as Operating Partner from April 2012 to May 2013. From July 1991 to February 2012, Mr. Kourey served in a variety of roles at Polycom, Inc., a communications solutions company, most recently as Chief Financial Officer. Mr. Kourey also served as director of Polycom from January 1999 to May 2011. Mr. Kourey also serves on the board of trustees of Villanova University and on the board of directors of a private company. He also previously served on the board of directors of RingCentral, Inc., Aruba Networks, Inc., Riverbed Technology, Inc. and other public and private companies. Mr. Kourey holds a Masters of Business Administration from Santa Clara University and holds a Bachelor of Science from University of California, Davis.

We believe that Mr. Kourey is qualified to serve as a member of our board because of his experience as a public company chief financial officer, as a public and private company executive with primary responsibility for financial oversight, his extensive finance background, his service as a current and former director of many companies and his knowledge of the industry in which we operate.

Todd McKinnon. Mr. McKinnon co-founded Okta and has served as our Chief Executive Officer and as a member of our board since January 2009. Mr. McKinnon was appointed Chairperson of our board in February 2017. From October 2003 to February 2009, Mr. McKinnon served in various roles at salesforce.com, inc., a cloud-based customer relationship management company, most recently as Senior Vice President of Development. From 1995 to 2003, Mr. McKinnon held various engineering and leadership positions at Peoplesoft, Inc., an enterprise application software company, which was acquired by Oracle Corporation in January 2005. Mr. McKinnon holds a Master of Science in computer science from California Polytechnic State University, San Luis Obispo and a Bachelor of Science in management and information systems from Brigham Young University.

We believe that Mr. McKinnon is qualified to serve as a member of our board because of his experience and perspective as our Chief Executive Officer and co-founder.

Michael Stankey. Mr. Stankey has served as a member of our board since December 2016. Mr. Stankey currently serves as the Vice Chairman at Workday, Inc., a financial and human capital management software vendor where from September 2009 to June 2015, he served as President and Chief Operating Officer. Since February 2017, Mr. Stankey has served as a member of the board of directors of Cloudera, Inc., a data management, machine learning and advance analytics platform provider. Mr. Stankey also serves on the board of directors of two private companies. From October 2007 to September 2009, Mr. Stankey was an Operating Partner at Greylock, a venture capital firm. From December 2001 to April 2007, Mr. Stankey served as Chairman and Chief Executive Officer at PolyServe, a database and file serving utility service. Mr. Stankey holds a Bachelor of Business Administration from the University of Wisconsin-Eau Claire.

We believe that Mr. Stankey is qualified to serve as a member of our board because of his experience as a company executive and a current and former director of many companies and his knowledge of the industry in which we operate.

CORPORATE GOVERNANCE

Our business and affairs are managed under the direction of our board, which is elected by our stockholders. In carrying out its responsibilities, our board selects and monitors our top management, provides oversight of our financial reporting processes and determines and implements our corporate governance policies.

Our board and management team are committed to good corporate governance to ensure that we are managed for the long-term benefit of our stockholders, and we have a variety of policies and procedures to promote such goals. To that end, during the past year, our management periodically reviewed our corporate governance policies and practices to ensure that they remain consistent with the requirements of the Sarbanes-Oxley Act of 2002 (the “Sarbanes-Oxley Act”), SEC rules and the NASDAQ listing standards.

Besides verifying the independence of the members of our board and committees (which is discussed in the section titled “Independence of Our Board”), at the direction of our board, we also:

- Periodically review and make necessary changes to the charters for our audit, compensation and nominating committees;
- Have established disclosures control policies and procedures in accordance with the requirements of the Sarbanes-Oxley Act and the rules and regulations of the SEC;
- Have a procedure for receipt and treatment of anonymous and confidential complaints or concerns regarding audit or accounting matters in place; and
- Have a code of conduct that applies to our employees, officers and directors, including our Chief Executive Officer, Chief Financial Officer and other executive and senior financial officers.

In addition, we have adopted a set of corporate governance guidelines. Our nominating committee is responsible for reviewing our corporate governance guidelines from time to time and reporting and making recommendations to our board concerning corporate governance matters. A copy of our corporate governance guidelines can be found on our investor relations website at investor.okta.com. Our corporate governance guidelines address such matters as:

- Director Independence—Independent directors must constitute at least a majority of our board;
- Monitoring Board Effectiveness—Our board must conduct an annual self-evaluation of our board and its committees;
- Board Access to Independent Advisors—Our board as a whole, and each of its committees separately, have authority to retain independent experts, advisors or professionals as each deems necessary or appropriate; and
- Board Committees—All members of the audit, compensation and nominating committees are independent in accordance with applicable NASDAQ criteria.

Meetings of Our Board and Annual Meeting Attendance

Our board held five meetings in our fiscal year ended January 31, 2019 (“fiscal 2019”). Each director attended at least 75% of all meetings of our board and the committees on which he or she served that were held during fiscal 2019. Under our corporate governance guidelines, directors are expected to spend the time needed and meet as frequently as our board deems necessary or appropriate to discharge their responsibilities. Directors are also expected to make efforts to attend our Annual Meeting of Stockholders, all meetings of our board and all meetings of the committees on which they serve. All directors attended the 2018 Annual Meeting of Stockholders.

Code of Conduct

Our board has adopted a code of conduct that applies to all of our employees, officers and directors, including our Chief Executive Officer, Chief Financial Officer and other executive and senior financial officers. The full text of our code of conduct is available on our investor relations website at investor.okta.com under “Corporate Governance.” We intend to satisfy the disclosure requirement under Item 5.05 of Form 8-K regarding amendments to, or waiver from, a provision of our code of conduct by posting such information on the website address and location specified above. During fiscal 2019, no waivers were granted from any provision of the code of conduct.

Independence of Our Board

Our Class A common stock is listed on NASDAQ. Under the NASDAQ listing standards, independent directors must constitute a majority of a listed company’s board. In addition, the NASDAQ listing standards require that, subject to specified exceptions, each member of a listed company’s audit, compensation and nominating committees be independent. Under the NASDAQ listing standards, a director will only qualify as an “independent director” if, in the opinion of that listed company’s board of directors, that director does not have a relationship that would interfere with the exercise of independent judgment in carrying out the responsibilities of a director.

Audit committee members must also satisfy the additional independence criteria set forth in Rule 10A-3 under the Securities Exchange Act of 1934, as amended (the “Exchange Act”) and the NASDAQ listing standards. Compensation committee members must also satisfy the additional independence criteria set forth in Rule 10C-1 under the Exchange Act and the NASDAQ listing standards.

Our board has undertaken a review of the independence of each director. Based on information provided by each director concerning his or her background, employment and affiliations, our board has determined that Ms. Archambeau, Mr. Grady, Mr. Horowitz, Mr. Kourey, Ms. Saeger, Mr. Stankey and Ms. Wilson do not have a relationship that would interfere with the exercise of independent judgment in carrying out the responsibilities of a director and that each of these directors is “independent” as that term is defined under the applicable rules and regulations of the SEC and the NASDAQ listing standards. In making these determinations, our board considered the current and prior relationships that each non-employee director has with our company and all other facts and circumstances our board deemed relevant in determining their independence, including the beneficial ownership of our capital stock by each non-employee director and any of their affiliated funds, and any transactions involving them described in the section titled “Certain Relationships and Related Party Transactions.”

Board Leadership Structure and Role of Our Lead Independent Director

Todd McKinnon, our co-founder and Chief Executive Officer, serves as Chairperson of our board, presides over meetings of our board and holds such other powers and carries out such other duties as are customarily carried out by the Chairperson of our board. Mr. McKinnon brings valuable insight to our board due to the perspective and experience he brings as our co-founder and Chief Executive Officer. Mr. Kerrest, our co-founder and Chief Operating Officer, serves as Executive Vice Chairperson of our board. Mr. Kerrest brings valuable insight to our board due to the perspective and experience he brings as our co-founder and Chief Operating Officer.

Our board has adopted corporate governance guidelines that provide that one of our independent directors will serve as our lead independent director. Our board has appointed Ben Horowitz to serve as our lead independent director. As lead independent director, Mr. Horowitz presides over periodic meetings of our independent directors, serves as a liaison between the Chairperson of our board and the independent directors and performs such additional duties as our board may otherwise determine and delegate.

Our Board's Role in Risk Oversight

Risk is inherent with every business, and we face a number of risks, including, among others, strategic, financial, business and operational, cybersecurity, legal and regulatory compliance, and reputational risks. We have designed and implemented processes to manage risk in our operations. Our management team is responsible for the day-to-day management of risks the company faces, while our board, as a whole and assisted by its committees, has responsibility for the oversight of risk management. In its risk oversight role, our board has the responsibility to satisfy itself that the risk management processes designed and implemented by our management team are appropriate and functioning as designed.

Our board believes that open communication between our management team and our board is essential for effective risk management and oversight. Our board meets with our Chief Executive Officer and other members of the senior management team at quarterly meetings of our board, as well as at such other times as they deem appropriate, where, among other topics, they discuss strategy and risks facing the company.

While our board is ultimately responsible for risk oversight, our board committees assist our board in fulfilling its oversight responsibilities in certain areas of risk. Our audit committee assists our board in fulfilling its oversight responsibilities with respect to risk management in the areas of internal control over financial reporting and disclosure controls and procedures, legal and regulatory compliance, liquidity risk and cybersecurity and discusses with our management team and Ernst & Young LLP guidelines and policies with respect to risk assessment and risk management. Our audit committee also reviews our major financial risk exposures and the steps our management team has taken to monitor and control these exposures. Our audit committee also monitors certain key risks on a regular basis throughout the fiscal year, such as risk associated with internal control over financial reporting and liquidity risk. Our nominating committee assists our board in fulfilling its oversight responsibilities with respect to the management of risk associated with our board's organization, membership and structure, and corporate governance. Our compensation committee assesses risks created by the incentives inherent in our compensation policies. Finally, our full board reviews strategic and operational risk in the context of reports from our management team, receives reports on all significant committee activities at each regular meeting and evaluates the risks inherent in significant transactions.

Risks Related to Compensation Policies and Practices

As part of its oversight function, our board and, in particular, our compensation committee, along with our management team, at least annually considers potential risks when reviewing and approving various compensation plans, including executive compensation. Based on this review, our compensation committee has concluded that our compensation programs, including our executive compensation program, do not encourage risk taking to a degree that is reasonably likely to have a materially adverse impact on us or our operations.

Committees of Our Board

Our board has established an audit committee, a compensation committee and a nominating committee. The composition and responsibilities of each of the committees of our board is described below. Members serve on these committees until their resignation or until as otherwise determined by our board. Our board assesses the composition of our committees on at least an annual basis to consider rotation of committee assignments. As a result, in March 2019, we realigned our committee membership to reflect the depth and breadth of experience and expertise of our current board members. Each of the audit, compensation and nominating committees operates pursuant to a separate written charter adopted by our board that is available to stockholders at investor.okta.com.

Audit Committee

During fiscal 2019, our audit committee consisted of Messrs. Grady and Kourey and Ms. Wilson, with Mr. Kourey serving as Chairperson. Ms. Wilson served on our audit committee until March 2019, when

Ms. Archambeau joined the committee. The composition of our audit committee meets the requirements for independence under current NASDAQ listing standards and SEC rules and regulations. Each member of our audit committee meets the financial literacy requirements of the NASDAQ listing standards. In addition, our board has determined that Mr. Kourey is an audit committee financial expert within the meaning of Item 407(d) of Regulation S-K under the Securities Act. Our audit committee, among other things:

- selects a qualified firm to serve as the independent registered public accounting firm to audit our financial statements;
- discusses the scope and results of the audit with the independent registered public accounting firm, and reviews, with our management team and the independent registered public accounting firm, our interim and year-end results of operations;
- develops procedures for employees to submit concerns anonymously about questionable accounting or audit matters;
- reviews our policies on risk assessment and risk management;
- reviews related party transactions; and
- approves (or, as permitted, pre-approves) all audit and all permissible non-audit services, other than de minimis non-audit services, to be performed by the independent registered public accounting firm.

Our audit committee annually reviews the independent registered public accounting firm's independence, including reviewing all relationships between the independent registered public accounting firm and us and any disclosed relationships or services that may impact the objectivity and independence of the independent registered public accounting firm, and the independent registered public accounting firm's performance.

Our audit committee operates under a written charter that satisfies the applicable rules of the SEC and the NASDAQ listing standards. Our audit committee held eleven meetings during fiscal 2019.

Compensation Committee

During fiscal 2019, our compensation committee consisted of Messrs. Grady and Stankey and Ms. Wilson, with Mr. Stankey serving as Chairperson. Mr. Grady served on our compensation committee until March 2019, when Ms. Saeger joined the committee. The composition of our compensation committee meets the requirements for independence under the NASDAQ listing standards and SEC rules and regulations. Each member of our compensation committee is also a non-employee director, as defined pursuant to Rule 16b-3 promulgated under the Exchange Act. The purpose of our compensation committee is to discharge the responsibilities of our board relating to the compensation of our executive officers. Our compensation committee, among other things:

- reviews, approves and determines, or makes recommendations to our board regarding, the compensation of our executive officers;
- administers our equity incentive plans;
- reviews and approves, or makes recommendations to our board regarding, incentive compensation and equity plans; and
- establishes and reviews general policies relating to the compensation and benefits offered to our employees.

Our compensation committee operates under a written charter that satisfies the applicable rules of the SEC and the NASDAQ listing standards, a current copy of which is available at the following web address: <https://investor.okta.com/corporate-governance/governance-overview>. Our compensation committee held three meetings during fiscal 2019.

Compensation Committee Interlocks and Insider Participation

During fiscal 2019, Messrs. Grady and Stankey and Ms. Wilson were the only members of our compensation committee. None of the members of our compensation committee is or has been an officer or employee of our company. None of our executive officers currently serves, or in the past year has served, as a member of the board of directors or compensation committee of any entity that has one or more executive officers serving on our board or compensation committee. See the section titled “Certain Relationships and Related Party Transactions” for information about related party transactions involving members of our compensation committee or their affiliates.

Nominating and Corporate Governance Committee

During fiscal 2019, our nominating committee consisted of Messrs. Kourey and Stankey and Ms. Wilson, with Ms. Wilson serving as Chairperson. Mr. Kourey served on our nominating committee until March 2019, when Ms. Saeger joined the committee. The composition of our nominating committee meets the requirements for independence under the NASDAQ listing standards and SEC rules and regulations. Our nominating committee, among other things:

- identifies, evaluates and selects, or makes recommendations to our board regarding, nominees for election to our board and its committees;
- evaluates the performance of our board and its committees;
- considers and makes recommendations to our board regarding the composition of our board and its committees;
- reviews developments in corporate governance practices;
- evaluates the adequacy of our corporate governance practices and reporting; and
- develops and makes recommendations to our board regarding corporate governance guidelines.

Our nominating committee operates under a written charter that satisfies the applicable listing requirements and rules of NASDAQ. Our nominating committee held two meetings during fiscal 2019.

Identifying and Evaluating Director Nominees

Our board has delegated to our nominating committee the responsibility of identifying suitable candidates for nomination to our board (including candidates to fill any vacancies that may occur) and assessing their qualifications in light of the policies and principles in our corporate governance guidelines and the committee’s charter. Our nominating committee may gather information about the candidates through interviews, detailed questionnaires, comprehensive background checks or any other means that our nominating committee deems to be appropriate in the evaluation process. Our nominating committee then meets as a group to discuss and evaluate the qualities and skills of each candidate, both on an individual basis and taking into account the overall composition and needs of our board. Based on the results of the evaluation process, our nominating committee recommends candidates for our board’s approval as director nominees for election to our board.

Ms. Saeger was appointed as director by our board effective January 22, 2019. Ms. Saeger was introduced to us through our partnership with Athena Alliance, an organization dedicated to advancing women in senior leadership and accelerating gender parity in the boardroom.

Minimum Qualifications

Our nominating committee uses a variety of methods for identifying and evaluating director nominees and will consider all facts and circumstances that it deems appropriate or advisable. In its identification and

evaluation of director candidates, our nominating committee will consider the current size and composition of our board, as well as the needs of our board and the respective committees of our board. Some of the qualifications that our nominating committee considers include, without limitation, issues of character, ethics, integrity, judgment, independence, diversity, skills, education, expertise, business acumen, length of service, understanding of our business and industry and other commitments.

Nominees must also have proven achievement and competence in their field, the ability to exercise sound business judgment, an objective perspective, the ability to offer advice and support to our management team and the ability to make significant contributions to our success. Nominees must also have skills that are complementary to those of our existing board, the highest ethics, a commitment to the long-term interests of our stockholders and an understanding of the fiduciary responsibilities that are required of a director. Nominees must have sufficient time available in the judgment of our nominating committee to effectively perform all board and committee responsibilities. Members of our board are expected to prepare for, attend and participate in all meetings of our board and applicable committee meetings. Other than the foregoing, there are no stated minimum criteria for director nominees, although our nominating committee may also consider such other factors as it may deem, from time to time, are in our and our stockholders' best interests. After completing its review and evaluation of director candidates, our nominating committee recommends to our full board the director nominees for selection.

Stockholder Recommendations

Stockholders may submit recommendations for director candidates to our nominating committee by sending the individual's name and qualifications to our Corporate Secretary at Okta, Inc., 100 First Street, Suite 600, San Francisco, California 94105, who will forward all recommendations to our nominating committee. Any such recommendations should include the information required by our bylaws. Our nominating committee will evaluate any candidates properly recommended by stockholders against the same criteria and pursuant to the same policies and procedures applicable to the evaluation of candidates proposed by directors or members of our management team.

Stockholder Communications

Our board provides to every stockholder the ability to communicate with our board, as a whole, and with individual directors on our board through an established process for stockholder communication. For a stockholder communication directed to our board as a whole, stockholders and other interested parties may send such communication to our General Counsel via U.S. Mail or expedited delivery service to the address listed below or by email to investor@okta.com:

Okta, Inc.
100 First Street, Suite 600
San Francisco, California 94105
Attn: General Counsel

For a stockholder communication directed to an individual director in his or her capacity as a member of our board, stockholders and other interested parties may send such communication to the attention of the individual director via U.S. Mail or expedited delivery service to the address listed below or by email to investor@okta.com:

Okta, Inc.
100 First Street, Suite 600
San Francisco, California 94105
Attn: [Name of Individual Director]

If sent by email, the communication should specify “Attn. [Name of Director]” in the subject line.

Our General Counsel, in consultation with appropriate members of our board, as necessary, will review all incoming communications and, if appropriate, all such communications will be forwarded to the appropriate member or members of our board, or if none is specified, to the Chairperson of our board. The General Counsel will generally not forward communications if they are deemed inappropriate, consist of individual grievances or other interests that are personal to the party submitting the communication and could not reasonably be construed to be of concern to securityholders or other constituencies of the company, solicitations, advertisements, surveys, “junk” mail or mass mailings.

Non-Employee Director Compensation

Our non-employee director compensation program is designed to attract, retain and reward qualified directors and further align the financial interests of our non-employee directors with those of our stockholders. Pursuant to our Non-Employee Director Compensation Policy, our non-employee directors receive the following annual cash retainers for their service:

<u>Position</u>	<u>Annual Cash Retainer</u>
Board Member	\$30,000
Lead Independent Director	\$20,000
Audit Committee Chair	\$20,000
Compensation Committee Chair	\$15,000
Nominating and Corporate Governance Committee Chair	\$ 8,000
Audit Committee Member other than Chair	\$10,000
Compensation Committee Member other than Chair	\$ 7,500
Nominating and Corporate Governance Committee Member other than Chair	\$ 4,000

Our Non-Employee Director Compensation Policy provides that on the date of each of our Annual Meetings of Stockholders, each non-employee director who will continue as a non-employee director following such meeting will be granted an annual award of restricted stock units settled for shares of our Class A common stock (“RSUs”) having a fair market value of \$200,000 on the date of grant. The RSUs will fully vest on the earlier of the anniversary of the grant date or immediately prior to the next Annual Meeting of Stockholders, subject to continuous service. Our Non-Employee Director Compensation Policy also provides that upon first being appointed to our board, any newly appointed non-employee director will be granted RSUs having a fair market value of \$350,000 on the date of grant. RSUs granted to a newly appointed non-employee director shall vest in three equal annual installments on each anniversary date on which the non-employee director was appointed to our board, subject to continuous service. All RSUs granted pursuant to our Non-Employee Director Compensation Policy are subject to full accelerated vesting upon the sale of our company in a change in control transaction (as defined in our Non-Employee Director Compensation Policy).

The following table presents the total compensation for each person who served as a non-employee director during fiscal 2019. Other than as set forth in the table below, we did not pay any compensation or make any equity awards to our non-employee directors during fiscal 2019. Directors who were also our employees, Messrs. McKinnon and Kerrest, received no compensation for their service as directors. The compensation received by Mr. McKinnon as Chief Executive Officer and Mr. Kerrest as Chief Operating Officer is presented in “Executive Compensation—Fiscal 2019 Summary Compensation Table” below.

Fiscal 2019 Director Compensation Table

Name	Fees Earned or Paid In Cash (\$)	Stock Awards (\$) ⁽¹⁾⁽²⁾	Total (\$)
Shellye Archambeau ⁽³⁾	4,076	350,006	354,082
Patrick Grady	47,500	200,009	247,509
Ben Horowitz	50,000	200,009	250,009
Michael Kourey ⁽⁴⁾	54,000	200,009	254,009
Rebecca Saeger ⁽⁵⁾	815	350,038	350,853
Michael Stankey ⁽⁶⁾	49,000	200,009	249,009
Michelle Wilson ⁽⁷⁾	55,500	200,009	255,509

- (1) The amounts reported represent the aggregate grant date fair value of the RSUs granted during fiscal 2019 under our 2017 Equity Incentive Plan (the “2017 Plan”) as computed in accordance with FASB ASC 718. Such grant date fair values do not take into account any estimated forfeitures related to service-based vesting conditions. The assumptions used in calculating the grant date fair value are set forth in the notes to our consolidated financial statements included in our 2019 Annual Report. These amounts do not necessarily correspond to the actual value recognized or that may be recognized by the directors.
- (2) As of January 31, 2019, Mr. Grady, Mr. Horowitz, Mr. Kourey, Mr. Stankey, and Ms. Wilson held 3,970 RSUs in connection with the annual RSU award granted to them in accordance with our Non-Employee Director Compensation Policy. These RSUs will vest immediately prior to the Annual Meeting on June 13, 2019, subject to the director’s continued service through such date. Notwithstanding the vesting schedule, the vesting of the RSUs fully accelerate upon the sale of our company in a change in control transaction, as defined in the Non-Employee Director Compensation Policy.
- (3) Ms. Archambeau joined our board in December 2018. As of January 31, 2019, Ms. Archambeau held 5,203 RSUs in connection with her appointment to our board in accordance with the Non-Employee Director Compensation Policy. The RSUs vest in three equal annual installments commencing December 13, 2019, subject to her continued service through each such date. Notwithstanding the vesting schedule, the vesting of the RSUs fully accelerates upon the sale of our company in a change in control transaction.
- (4) As of January 31, 2019, Mr. Kourey held an option to purchase 230,000 shares of our Class B common stock, of which 173,750 shares underlying the options were vested and 56,250 shares were unvested, and all of which were outstanding and exercisable.
- (5) Ms. Saeger joined our board in January 2019. As of January 31, 2019, Ms. Saeger held 4,533 RSUs in connection with her appointment to our board in accordance with the Non-Employee Director Compensation Policy. The RSUs vest in three equal annual installments commencing January 22, 2020, subject to her continued service through each such date. Notwithstanding the vesting schedule, the vesting of the RSUs fully accelerates upon the sale of our company in a change in control transaction.
- (6) As of January 31, 2019, Mr. Stankey held an option to purchase 190,000 shares of our Class B common stock, of which 98,958 shares underlying the options were vested and 91,042 shares were unvested, and all of which were outstanding and exercisable.
- (7) In August 2015, we granted Ms. Wilson an option to purchase 190,000 shares of our Class B common stock, which she early exercised in full on October 8, 2015. As of January 31, 2019, our right of repurchase had lapsed with respect to 162,291 of the shares and 27,709 shares remained subject to our right of repurchase.

We also reimburse all reasonable out-of-pocket expenses incurred by directors for their attendance at meetings of our board or any committee thereof.

PROPOSAL TWO:

RATIFICATION OF THE APPOINTMENT OF OUR INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM

Our audit committee has appointed Ernst & Young LLP as our independent registered public accounting firm to perform the audit of our consolidated financial statements for the fiscal year ending January 31, 2020, and we are asking you and other stockholders to ratify this appointment. During fiscal 2019, Ernst & Young LLP served as our independent registered public accounting firm.

Our board is submitting the appointment of Ernst & Young LLP to stockholders for ratification as a matter of good corporate governance. A majority of the votes properly cast is required in order to ratify the appointment of Ernst & Young LLP. In the event that a majority of the votes properly cast do not ratify this appointment of Ernst & Young LLP, our audit committee will reconsider whether or not to retain Ernst & Young LLP. Even if the appointment is ratified, our audit committee in its discretion may direct the appointment of a different independent registered public accounting firm at any time during the year if they determine that such a change would be in the best interests of the stockholders.

We expect that a representative of Ernst & Young LLP will attend the Annual Meeting and the representative will have an opportunity to make a statement if he or she so chooses. The representative will also be available to respond to appropriate questions from stockholders.

Policy on Audit Committee Pre-Approval of Audit and Permissible Non-Audit Services of Independent Registered Public Accounting Firm

We have adopted a policy under which our audit committee must pre-approve all audit and permissible non-audit services to be provided by the independent registered public accounting firm. As part of its review, our audit committee also considers whether the categories of pre-approved services are consistent with the rules on accountant independence of the SEC and the Public Company Accounting Oversight Board. Our audit committee has pre-approved all services performed by the independent registered public accounting firm since the pre-approval policy was adopted prior to our initial public offering.

Audit Fees

The following table sets forth the fees billed or to be billed by Ernst & Young LLP and its affiliates for professional services rendered with respect to the fiscal years ended January 31, 2019 and 2018. All of these services were approved by our audit committee.

<u>Fee Category</u>	<u>Fiscal 2019</u>	<u>Fiscal 2018</u>
Audit Fees ⁽¹⁾	\$3,201,000	\$2,440,000
Audit-Related Fees	\$ —	\$ —
Tax Fees ⁽²⁾	\$ 50,000	\$ —
All Other Fees ⁽³⁾	\$ 3,000	\$ 47,000
Total Fees	\$3,254,000	\$2,487,000

⁽¹⁾ Audit Fees consist of fees billed for professional services provided in connection with the audit of our consolidated financial statements and audit of internal control over financial reporting (for fiscal 2019), reviews of our quarterly condensed consolidated financial statements and accounting consultations billed as audit services. For fiscal 2019, this category also includes fees for services incurred in connection with our offering of 0.25% convertible senior notes due February 15, 2023 (the “Convertible Debt Offering”). For the fiscal year ended January 31, 2018 (“fiscal 2018”), this category also includes fees for services incurred in connection with our initial public offering.

- (2) Tax Fees consist of fees billed for permissible tax services in connection with the Convertible Debt Offering.
- (3) All Other Fees consist of aggregate fees billed for products and services provided other than those disclosed above, which include subscription fees paid for access to online accounting research software applications and data and permissible advisory services.

Recommendation of our Board

OUR BOARD RECOMMENDS THAT YOU VOTE “FOR” RATIFICATION OF THE APPOINTMENT OF ERNST & YOUNG LLP AS OUR INDEPENDENT REGISTERED PUBLIC ACCOUNTING FIRM FOR THE FISCAL YEAR ENDING JANUARY 31, 2020.

PROPOSAL THREE:

ADVISORY NON-BINDING VOTE TO APPROVE THE COMPENSATION OF OUR NAMED EXECUTIVE OFFICERS

We are asking our stockholders to vote to approve, on an advisory non-binding basis, the compensation of our named executive officers for fiscal 2019 as disclosed in this Proxy Statement, in accordance with the requirements of Section 14A of the Exchange Act. As described in detail under the heading “Compensation Discussion and Analysis,” our executive compensation program is designed to drive and reward performance and align the compensation of our named executive officers with the long-term interests of our stockholders. Please read the “Compensation Discussion and Analysis” and the compensation tables and narrative disclosure that follow for additional details about our executive compensation program, including information about the fiscal 2019 compensation of our named executive officers.

This proposal, commonly known as a “say-on-pay” proposal, gives our stockholders the opportunity to express their views on our named executive officers’ compensation as a whole. This vote is not intended to address any specific element of compensation but rather the overall compensation of our named executive officers and the philosophy, policies and practices described in this Proxy Statement. Our board and our compensation committee believe that these policies and practices are effective in implementing our compensation philosophy and in achieving our compensation program goals.

Accordingly, we are asking our stockholders to vote “FOR” the following resolution:

RESOLVED, that the stockholders hereby approve, on an advisory non-binding basis, the compensation paid to the company’s named executive officers, as disclosed in the company’s proxy statement for the 2019 Annual Meeting of Stockholders, pursuant to the compensation disclosure rules of the SEC, including in the Compensation Discussion and Analysis, the compensation tables and the narrative discussions that accompany the compensation tables.

Vote Required

The approval of this advisory non-binding proposal requires the affirmative vote of a majority of the voting power of the shares of our common stock present in person or by proxy at the Annual Meeting and entitled to vote thereon.

As an advisory vote, the outcome of the vote on this proposal is not binding. However, our management team, our board and our compensation committee, which is responsible for designing and administering our executive compensation program, value the opinions expressed by our stockholders, whether through this vote or otherwise, and will consider the outcome of this vote when making future executive compensation decisions.

Recommendation of the Board

OUR BOARD RECOMMENDS THAT YOU VOTE “FOR” THE APPROVAL, ON AN ADVISORY NON-BINDING BASIS, OF THE COMPENSATION OF OUR NAMED EXECUTIVE OFFICERS, AS DISCLOSED IN THIS PROXY STATEMENT.

PROPOSAL FOUR:

ADVISORY NON-BINDING VOTE ON THE FREQUENCY OF FUTURE ADVISORY NON-BINDING VOTES TO APPROVE THE COMPENSATION OF OUR NAMED EXECUTIVE OFFICERS

We are asking our stockholders to advise our board, in an advisory non-binding vote, whether we should conduct an advisory non-binding vote to approve named executive officer compensation (that is, votes similar to the advisory vote in Proposal No. 3 above) every one, two or three years.

By voting with respect to this proposal, stockholders may indicate whether they would prefer that we conduct future advisory non-binding votes to approve the compensation of our named executive officers every one, two or three years. Our board has determined that an annual advisory non-binding vote to approve the compensation of our named executive officers will allow our stockholders to provide timely and direct input on our executive compensation philosophy, policies and practices as disclosed in the proxy statement each year. Our board believes that an annual vote is therefore consistent with our efforts to engage in an ongoing dialogue with our stockholders on executive compensation and corporate governance matters.

Vote Required

Stockholders will not be voting to approve or disapprove of the recommendation of our board. The proxy card provides stockholders with the opportunity to choose among four options with respect to this proposal (holding the vote every one, two or three years, or abstaining). The frequency that receives the highest number of votes from the voting power of shares of our common stock present in person or by proxy at the Annual Meeting and entitled to vote thereon will be deemed to be the frequency selected by our stockholders.

As an advisory vote, this proposal will not be binding on the company, our board or our compensation committee in any way. As such, the results of the vote will not be construed to create or imply any change to the fiduciary duties of our board. Our board may decide that it is in the best interests of our stockholders and the company to hold an advisory non-binding vote on our named executive officer compensation more or less frequently than the option approved by our stockholders. Notwithstanding the advisory non-binding nature of this vote, our board values the opinions of our stockholders, and will consider the outcome of the vote when setting the frequency of the advisory vote on executive compensation.

Recommendation of the Board

OUR BOARD RECOMMENDS THAT YOU VOTE FOR THE OPTION OF “ONE YEAR” AS THE PREFERRED FREQUENCY FOR FUTURE ADVISORY NON-BINDING VOTES TO APPROVE THE COMPENSATION OF OUR NAMED EXECUTIVE OFFICERS.

REPORT OF THE AUDIT COMMITTEE OF THE BOARD OF DIRECTORS

The information contained in this audit committee report shall not be deemed to be “soliciting material,” “filed” with the SEC, subject to Regulations 14A or 14C of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or subject to the liabilities of Section 18 of the Exchange Act. No portion of this audit committee report shall be deemed to be incorporated by reference into any filing under the Securities Act of 1933, as amended (the “Securities Act”), or the Exchange Act, through any general statement incorporating by reference in its entirety the proxy statement in which this report appears, except to the extent that Okta specifically incorporates this report or a portion of it by reference. In addition, this report shall not be deemed filed under either the Securities Act or the Exchange Act.

This report is submitted by the audit committee of the board of directors. The audit committee consists of the directors whose names appear below. None of the members of the audit committee is an officer or employee of Okta, and the board of directors has determined that each member of the audit committee is “independent” for audit committee purposes as that term is defined under Rule 10A-3 of the Exchange Act and the applicable NASDAQ rules. Each member of the audit committee meets the requirements for financial literacy under the applicable rules and regulations of the SEC and NASDAQ.

The audit committee’s general role is to assist the board of directors in monitoring the company’s financial reporting process and related matters. The audit committee’s specific responsibilities are set forth in its charter.

The audit committee has reviewed the company’s consolidated financial statements for its fiscal year ended January 31, 2019 and met with its management team, as well as with representatives of Ernst & Young LLP, the company’s independent registered public accounting firm, to discuss the consolidated financial statements and management’s assessment and Ernst & Young’s evaluation of the effectiveness of the company’s internal control over financial reporting as of January 31, 2019. The audit committee also discussed with members of Ernst & Young LLP the matters required to be discussed by Auditing Standard No. 1301, Communications with Audit Committees, as adopted by the Public Company Accounting Oversight Board.

In addition, the audit committee received the written disclosures and the letter from Ernst & Young LLP required by applicable requirements of the Public Company Accounting Oversight Board regarding the independent accountant’s communications with the audit committee concerning independence and discussed with members of Ernst & Young LLP its independence.

Based on these discussions, the financial statement review and other matters it deemed relevant, the audit committee recommended to the board of directors that the company’s audited consolidated financial statements for its fiscal year ended January 31, 2019 be included in its Annual Report on Form 10-K for its 2019 fiscal year.

Audit Committee

Michael Kourey (Chairperson)
Shellye Archambeau*
Patrick Grady
Michelle Wilson*

* Ms. Wilson served on the audit committee until March 2019, when Ms. Archambeau joined the committee.

EXECUTIVE OFFICERS

The following table sets forth information regarding our executive officers, including their ages, as of April 18, 2019:

Name	Age	Positions and Offices Held with the Company
Todd McKinnon	47	Chairperson of the Board of Directors, Chief Executive Officer and Director
J. Frederic Kerrest	42	Executive Vice Chairperson of the Board of Directors, Chief Operating Officer and Director
William E. Losch	57	Chief Financial Officer
Charles Race	47	President, Worldwide Field Operations
Jonathan T. Runyan	43	General Counsel and Secretary

Information Concerning Executive Officers

In addition to Mr. Todd McKinnon and Mr. J. Frederic Kerrest, who both serve as directors, our executive officers as of April 18, 2019 consisted of the following:

William E. Losch. Mr. Losch has served as our Chief Financial Officer since June 2013. From June 2007 to June 2013, Mr. Losch served as Chief Financial Officer at MobiTV, Inc., a technology platform provider of multiscreen video delivery services. From October 2004 to May 2007, Mr. Losch served as the Chief Accounting Officer at DreamWorks Animation, SKG, Inc., an animation company. From March 1998 to July 2003, Mr. Losch served in various finance positions, most recently as Vice President of Finance and Chief Accounting Officer at Yahoo! Inc., an internet company. Mr. Losch holds a Bachelor of Arts in economics from the University of California, Los Angeles.

Charles Race. Mr. Race has served as our President, Worldwide Field Operations, since October 2016. From 2005 to May 2016, Mr. Race served in a variety of senior roles at Informatica Corporation, a provider of data integration software, most recently as Executive Vice President, Worldwide Operations. From 2003 to 2005, Mr. Race served as EMEA Business Development Manager and from 1999 to 2002, Mr. Race served as Business Development Manager at Hummingbird Ltd., a provider of enterprise software solutions. Mr. Race holds a Bachelor of Engineering in computer science from University of York.

Jonathan T. Runyan. Mr. Runyan has served as our General Counsel since January 2015 and our Secretary since July 2015. From January 2011 to January 2015, Mr. Runyan served as a Partner and Associate at Goodwin Procter LLP, a law firm, where he practiced corporate and securities law, primarily advising companies and investors in technology industries. From September 2006 to December 2010, Mr. Runyan served as an Associate at Gunderson Dettmer, LLP, a law firm. Mr. Runyan holds a Masters in Business Administration from the Yale School of Management, a Juris Doctor from the University of California, Hastings and a Bachelor of Science in business administration from San Diego State University.

EXECUTIVE COMPENSATION

COMPENSATION DISCUSSION AND ANALYSIS

The following Compensation Discussion and Analysis describes our executive compensation program and the decisions in fiscal 2019 regarding the compensation for:

- Todd McKinnon, our Chief Executive Officer, Chairperson of the board and co-founder;
- William E. Losch, our Chief Financial Officer;
- J. Frederic Kerrest, our Chief Operating Officer, Executive Vice Chairperson of the board and co-founder;
- Charles Race, our President, Worldwide Field Operations; and
- Jonathan T. Runyan, our General Counsel.

We refer to these executive officers collectively in this Compensation Discussion and Analysis and the accompanying compensation tables as the “named executive officers.”

This Compensation Discussion and Analysis provides an overview of our executive compensation philosophy, the overall objectives of our executive compensation program, and each element of compensation that we provide. In addition, we explain how and why our compensation committee arrived at the specific compensation policies and decisions involving our named executive officers during fiscal 2019.

This Compensation Discussion and Analysis contains forward-looking statements that are based on our current plans, considerations, expectations, and determinations regarding future compensation plans and arrangements. The actual compensation plans and arrangements that we adopt may differ materially from currently anticipated plans and arrangements as summarized in this Compensation Discussion and Analysis.

Executive Summary

Okta is the leading independent identity management platform for the enterprise. Our vision is to enable any organization to use any technology, and we believe identity is the key to making that happen. The Okta Identity Cloud is our category-defining platform that enables our customers to securely connect people to technology, anywhere, anytime and from any device.

Highlights of Fiscal 2019 Corporate Performance

Fiscal 2019 was a year of record growth and significantly improved operating leverage for our business. Specific financial highlights of our performance in fiscal 2019 include:

- **Revenue:** Total revenue was \$399.3 million, an increase of 56% year-over-year. Subscription revenue was \$370.9 million, an increase of 57% year-over-year.
- **Operating Loss:** GAAP operating loss was \$119.6 million, or 30.0% of total revenue, compared to \$111.9 million for fiscal 2018, or 43.6% of total revenue. Non-GAAP operating loss was \$41.5 million, or 10.4% of total revenue, compared to \$61.2 million for fiscal 2018, or 23.9% of total revenue.

- **Net Loss:** GAAP net loss was \$125.5 million, compared to \$109.8 million for fiscal 2018. GAAP net loss per share was \$1.17, compared to \$1.32 for fiscal 2018. Non-GAAP net loss was \$34.1 million, compared to \$59.2 million for fiscal 2018. Non-GAAP net loss per share was \$0.32, compared to \$0.71 for fiscal 2018.
- **Cash Flow:** Net cash provided by operations was \$15.2 million, compared to net cash used in operations of \$25.2 million for fiscal 2018. Free cash flow was negative \$6.8 million, or 1.7% of total revenue, compared to negative \$37.2 million, or 14.5% of total revenue, for fiscal 2018.

To supplement our consolidated financial statements, which are prepared and presented in accordance with GAAP, we provide investors with certain non-GAAP financial measures, including non-GAAP operating loss, non-GAAP operating margin, non-GAAP net loss, non-GAAP net loss per share and free cash flow. For a full reconciliation for each non-GAAP financial measure to the most directly comparable financial measure stated in accordance with GAAP, please see our 2019 Annual Report and Exhibit 99.1 to our Current Report on Form 8-K filed March 7, 2019.

Highlights of Fiscal 2019 Executive Compensation Program

Consistent with our performance and compensation objectives for fiscal 2019, our compensation committee took the following key actions relating to the compensation of our named executive officers for fiscal 2019:

Base Salary – Approved annual base salary increases ranging from 6.9% to 7.5%, as we continue to transition the compensation of our named executive officers to levels that are more consistent with those of our compensation peer group.

Bonus Plan – Awarded 150%, the maximum permitted percentage of target, for achievement of the performance objectives established for fiscal 2019 under our Senior Executive Incentive Bonus Plan (the “Bonus Plan”). In March 2019, our compensation committee determined to provide bonus payouts in fully vested RSUs, instead of cash, in order to further align the interests of our named executive officers with our long-term growth.

Long-Term Incentive Compensation – Granted long-term incentive compensation in the form of stock options to purchase shares of our Class A common stock and service-based vesting RSUs that may be settled for shares of our Class A common stock to further align the long-term incentive opportunities of our named executive officers with those of our stockholders. The grant date fair values of these equity awards are set forth in the “Fiscal 2019 Summary Compensation Table” and the “Fiscal 2019 Grants of Plan-Based Awards Table” below.

Fiscal 2019 Executive Compensation Policies and Practices

Our executive compensation policies and practices reinforce our pay for performance philosophy and align with sound governance principles. Listed below are highlights of our fiscal 2019 compensation policies and practices:

<u>What we do</u>	<u>What we do not do</u>
<input checked="" type="checkbox"/> Use a pay-for-performance philosophy to align executive compensation with performance	<input checked="" type="checkbox"/> No “single-trigger” cash or equity change in control benefits
<input checked="" type="checkbox"/> Use equity-based compensation to deliver a significant majority of the total compensation of our executive officers to further align their interests with those of our stockholders	<input checked="" type="checkbox"/> No tax gross ups on severance or change in control benefits
<input checked="" type="checkbox"/> Establish maximum payout amount under the Bonus Plan and require a threshold level of achievement for payout with respect to each performance measure	<input checked="" type="checkbox"/> No guaranteed bonuses or base salary increases
<input checked="" type="checkbox"/> Conduct an annual risk assessment of our executive and broad-based compensation programs to promote prudent risk management	<input checked="" type="checkbox"/> No post-termination retirement, pension or deferred compensation benefits
<input checked="" type="checkbox"/> Maintain a compensation committee comprised solely of independent directors with extensive relevant experience	<input checked="" type="checkbox"/> No perquisites and no health or other benefits, other than those that are generally available to our employees
<input checked="" type="checkbox"/> Conduct an annual review of our executive compensation strategy, competitiveness and peer group	<input checked="" type="checkbox"/> No strict benchmarking of compensation to a specific percentile of our peer group
<input checked="" type="checkbox"/> Retain an independent compensation consultant who reports directly to our compensation committee	<input checked="" type="checkbox"/> No hedging and no pledging by any employees or directors

Say-on-Pay and Say-on-Frequency Advisory Stockholder Votes on Executive Compensation

Through the end of fiscal 2019, we were an “emerging growth company” as defined in the Jumpstart Our Business Startups Act of 2012 and were not required to hold an advisory vote on the compensation of our named executive officers, commonly referred to as a “say-on-pay” vote. As we are no longer an “emerging growth company,” at the 2019 Annual Meeting of Stockholders we will be conducting our first say-on-pay advisory stockholder vote as described in Proposal No. 3 of this proxy statement. We will also be conducting the advisory stockholder vote described in Proposal No. 4 of this proxy statement, commonly referred to as “say-on-frequency” vote, to poll our stockholders on how frequently they would like us to conduct future say-on-pay advisory votes. We value the opinions of our stockholders, and when making compensation decisions for our named executive officers in the future, our board and our compensation committee intend to consider the outcome of the say-on-pay advisory vote and the related say-on-frequency advisory vote, in addition to other stockholder feedback that may be received throughout the year.

Executive Compensation Philosophy, Objectives and Design

Our compensation philosophy is to deliver an executive compensation program that drives and rewards performance and further aligns the compensation of our executive officers with the long-term interests of our stockholders. Consistent with this philosophy, our executive compensation program is designed to achieve the following primary objectives:

- attract, motivate, incentivize and retain our executive officers, who contribute to our long-term success;
- provide compensation packages to our executive officers that are competitive and drive and reward the achievement of our business objectives; and
- effectively align our executive officers' interests with the interests of our stockholders by focusing on long-term equity incentives that correlate with the growth of sustainable long-term value for our stockholders.

Our executive compensation program design includes a mix of compensation elements including base salary, short-term bonus opportunities, long-term equity incentives, and benefits, including change in control payments and benefits, to attract and maintain our named executive officers. In determining the amount of base salary, short-term bonus opportunity, long-term equity incentives and other benefits awarded to each named executive officer, our compensation committee does not apply any fixed percentage of any one element in relation to the overall compensation package. Rather, our compensation committee looks at the overall compensation package and the relative amount of each element on a stand-alone basis for each individual to determine whether such amounts and mix of elements further the basic principles and objectives of our overall executive compensation program.

A significant majority of the compensation opportunity for our named executive officers is weighted towards equity, as opposed to cash, compensation. We structure our executive compensation program to be heavily weighted towards long-term equity incentives as we continue to transition the compensation of our named executive officers to levels that are more consistent with those of our compensation peer group, which we believe also correlates with the growth of sustainable long-term value for our stockholders.

We evaluate our executive compensation philosophy and executive compensation program as circumstances require, and we review our executive compensation philosophy, program design and competitiveness at least annually. As part of this review process, our compensation committee applies our values and the objectives outlined above.

Oversight of Executive Compensation Process

Role of the Compensation Committee

Our compensation committee discharges many of the responsibilities of our board relating to the compensation of our executive officers, including our named executive officers, and the non-employee members of our board (as described further in “Corporate Governance—Non-Employee Director Compensation” above). Our compensation committee has overall responsibility for overseeing our compensation structure, policies and programs generally, and overseeing and evaluating the compensation plans, policies and practices applicable to our executive officers. Our compensation committee has the authority to retain, and has retained, an independent compensation consultant to provide support to the committee in its review and oversight of our executive compensation program.

Compensation-Setting Process

Role of the Chief Executive Officer

Our compensation committee is responsible for the compensation program for our executive officers and regularly reports to our board on its discussions, decisions and other actions. In discharging its responsibilities,

our compensation committee works with members of our management, including our Chief Executive Officer. Our management assists our compensation committee by providing information on corporate and individual performance, competitive market compensation data and management's perspective on compensation matters. Our Chief Executive Officer makes compensation recommendations to our compensation committee for each of our executive officers, other than with respect to his own compensation. These recommendations cover each executive officer's total target direct compensation, consisting of base salary and short-term incentive opportunity and long-term compensation in the form of equity incentives. In making these recommendations, our Chief Executive Officer considers a variety of factors, including our business results, the executive officer's individual contribution toward these results, the executive officer's role and performance of his duties and his achievement of individual goals, as well as the relative compensation parity among all of our executive officers. Our compensation committee reviews the recommendations of our Chief Executive Officer and other data, including input from the independent compensation consultant to the committee, compensation survey data and publicly-available compensation data of our peers. Our compensation committee then exercises its own independent judgment to determine the target total direct compensation, and each element thereof, for each of our executive officers, including our Chief Executive Officer. While our Chief Executive Officer typically attends meetings of our compensation committee, our compensation committee meets in executive session outside the presence of our Chief Executive Officer when determining his compensation and when discussing certain other matters as well.

Role of the Compensation Consultant

Our compensation committee engages an independent external compensation consultant to assist it by providing information, analysis and other advice relating to our executive compensation program and the decisions resulting from its annual executive compensation review. For the first part of fiscal 2019, our compensation committee retained Radford, a national compensation consulting firm with compensation expertise relating to technology companies, to provide it with market information, analysis and other advice relating to executive compensation on an ongoing basis. Radford was engaged directly by our compensation committee to, among other things, assist in developing an appropriate group of peer companies to help our compensation committee determine the appropriate level of overall compensation for our executive officers, as well as to assess each separate element of compensation, with a goal of ensuring that the compensation we offer to our executive officers, individually as well as in the aggregate, is competitive and fair. In addition, Radford also reviewed compensation for the non-employee members of our board, provided market practices for equity compensation design and developed a compensation risk assessment. The terms of Radford's engagement included reporting directly to our compensation committee and to the Chairperson of our compensation committee. Radford also coordinated with our management for data collection and job matching for our executive officers. Our management team also accessed the Radford survey database to gather reference points for non-executive compensation decisions.

In fiscal 2019, our compensation committee assessed its consulting needs and providers, and invited compensation consulting firms to discuss these executive compensation needs with the committee. This process enabled our compensation committee to reevaluate its compensation consultant and take a fresh look at our compensation practices and policies. As a result of this review, our compensation committee retained Compensia as its compensation consultant. Compensia performs the same services for our compensation committee that Radford provided prior to June 2018.

Based on the consideration of the factors specified in the rules of the SEC and the NASDAQ listing standards, our compensation committee does not believe that its relationship with Radford or Compensia and the work of Radford and Compensia on behalf of our compensation committee and our management team has raised any conflict of interest. Our compensation committee reviews these factors on an annual basis. As part of our compensation committee's determination of Radford's independence, it received written confirmation from Radford addressing these factors and stating its belief that it remains an independent compensation consultant to our compensation committee. In connection with Compensia's appointment, our compensation committee received written confirmation from Compensia addressing these factors and stating its belief that it is an independent compensation consultant to the committee.

Our compensation committee determines the target total direct compensation opportunities for our executive officers, including our named executive officers. Our compensation committee does not use a single method or measure in making its determinations, nor does it establish specific targets for the total direct compensation opportunities of our executive officers. Nonetheless, as it continues to position the compensation of our named executive officers to levels that are more consistent with those of our compensation peer group, our compensation committee begins its deliberations on cash and equity compensation levels with reference to the 25th, 50th and 75th percentile levels for cash compensation and target total direct compensation as reflected in competitive market data.

When determining the amount of each compensation element and approving each compensation element and the target total direct compensation opportunity for our executive officers, our compensation committee considers the following factors, among others: our performance against the corporate performance objectives established by our compensation committee and our board; our financial performance relative to our compensation peer group; the compensation levels and practices of our compensation peer group; each individual executive officer's skills, experience and qualifications relative to other similarly-situated executives at the companies in our compensation peer group; the scope of each individual executive officer's role compared to other similarly-situated executives at the companies in our compensation peer group; the performance of each individual executive officer, based on a subjective assessment of his contributions to our overall performance, ability to lead his function and ability to work as part of a team, all of which reflect our core values and compensation parity among our individual executive officers.

These factors provide the framework for compensation decision-making and final decisions regarding the compensation opportunity for each executive officer. No single factor is determinative in setting pay levels, nor was the impact of any factor on the determination of pay levels quantifiable. Our compensation committee reviews the base salary levels, short-term incentive compensation opportunities and long-term incentive compensation opportunities of our named executive officers, each fiscal year at the beginning of the year, or more frequently as warranted. Long-term incentive compensation is granted on a regularly-scheduled basis, as described in "Other Compensation Policies—Equity Award Grant Policy" below.

Competitive Positioning

For purposes of comparing our executive compensation against the competitive market, our compensation committee reviews and considers the compensation levels and practices of a group of peer companies.

In September 2017, with the assistance of Radford, our compensation committee reviewed our compensation peer group for fiscal 2019, which was generally developed from publicly traded companies with a focus on software, with an emphasis on software-as-a-service and cloud business models, with revenues of 0.5 to 2.5 times our annual revenue, and a range of 0.5 to 3.5 times our market capitalization. Where appropriate, we further refined our peer group by focusing on companies with year-over-year revenue growth of greater than 25%, where possible, and on companies based in the San Francisco Bay Area or based in regional centers of technology. Our compensation committee reviews our compensation peer group at least annually and makes adjustments to its composition, if warranted, taking into account changes in both our business and the businesses of the companies in the peer group.

Our compensation committee uses data drawn from our compensation peer group, as well as data from the Radford Global Technology executive compensation survey (the "Radford Survey"), to evaluate the competitive market when determining the total direct compensation packages for our executive officers. The Radford Survey data supplements the compensation peer group data and provides additional information for our named executive officers and senior positions for which public comparable data is less available.

At the beginning of fiscal 2019, based on the foregoing, our compensation committee used the following compensation peer group to assist with the determination of compensation for our executive officers:

Arista Networks	Gigamon	New Relic	Tableau Software
Box	Guidewire Software	Proofpoint	Twilio
Cornerstone OnDemand	HubSpot	Qualys	Veeva Systems
Ellie Mae	Imperva	RingCentral	Yelp
FireEye	Medidata Solutions	Splunk	Zendesk

Elements of Executive Compensation Program

Our executive compensation program consists of the following primary components:

- base salary;
- short-term annual incentive bonuses;
- long-term equity compensation; and
- severance and change in control-related payments and benefits.

We also provide our executive officers with comprehensive employee benefit programs, such as medical, dental and vision insurance, a 401(k) plan, life and disability insurance, flexible spending accounts, an employee stock purchase plan and other plans and programs made available to our eligible employees.

We believe these elements provide a compensation package that attracts and retains qualified individuals, links individual performance to company performance, focuses the efforts of our named executive officers on the achievement of both our short-term and long-term objectives and further aligns the interests of our executive officers with those of our stockholders.

Base Salaries

We provide base salary as a fixed source of compensation for each of our named executive officers, allowing them a degree of certainty relative to the significant majority of their compensation that is based on equity awards, the value of which varies and, with respect to stock options, is contingent on our stock price appreciation. Our compensation committee recognizes the importance of base salaries as an element of compensation that helps to attract and retain highly qualified executive talent.

Other than with respect to our co-founders, the initial base salaries of our executive officers are established through arm's-length negotiation at the time the individual executive officer is hired, taking into account a variety of factors, including his qualifications, experience, comparable market data and compensation expectations. At the beginning of each year, our compensation committee reviews, and adjusts as necessary, base salaries for each of our named executive officers, including our co-founders. Our compensation committee does not apply specific formulas in setting base salary levels or determining adjustments from year to year; however, in completing its annual review and adjustment, our compensation committee targets paying each of our named executive officers base salaries that are competitive with current market practice (as reflected by our compensation peer group) and after taking into consideration our Chief Executive Officer's recommendations and each individual's role and scope of responsibilities, experience, past performance and expected future performance, the base salary levels of our executive officers as well as the total direct compensation package of which the base salary forms but one part.

The base salaries of our named executive officers prior to and following the fiscal 2019 increase approved by our compensation committee were as follows:

Base Salaries

<u>Named Executive Officer</u>	<u>Fiscal 2018 Base Salary (\$)</u>	<u>Fiscal 2019 Base Salary (\$)⁽¹⁾</u>	<u>Increase from Fiscal 2018 (%)</u>
Todd McKinnon	284,625	306,000	7.5%
William E. Losch	303,600	326,400	7.5%
J. Frederic Kerrest	279,450	300,400	7.5%
Charles Race	300,000	322,500	7.5%
Jonathan T. Runyan	288,750	308,700	6.9%

⁽¹⁾ Base salary adjustments were approved in March 2018 and effective as of February 1, 2018, the first day of fiscal 2019.

Annual Performance-Based Incentives

We use performance-based incentives to motivate our named executive officers to achieve our annual financial and operational objectives, while making progress towards our longer-term strategic and growth goals. Typically, near the beginning of each fiscal year, our compensation committee adopts the performance criteria and targets for our Bonus Plan for that fiscal year, and establishes the target annual incentive opportunity for each plan participant based on a percentage of each participant’s base salary, the performance measures and the associated target levels for each measure, and the potential payouts based on actual performance for the fiscal year. In addition, our compensation committee considered the factors described in “Oversight of Executive Compensation Program—Compensation-Setting Process” above.

Overview & Structure

In March 2018, our compensation committee adopted and approved the performance criteria and targets for fiscal 2019 under our Bonus Plan, as set forth in “Corporate Performance Measures” below. The Bonus Plan provides opportunities for incentive compensation payouts based on our actual achievement of pre-established corporate financial objectives. The target levels for the financial objectives were set at levels determined to be challenging and requiring substantial skill and effort by our named executive officers. The Bonus Plan provided for an annual performance period with annual cash payouts, in order to align the committee’s assessment of our named executive officers’ performance to our achievement of our annual operating plan.

Target Annual Incentive Compensation Opportunities

In March 2018, in connection with its review of our executive compensation program, our compensation committee approved the target annual incentive opportunities of our named executive officers, as set forth in the table below. Our compensation committee has set the target annual incentive opportunities for our named executive officers as percentages of their base salaries. In setting the target annual incentive opportunities, our compensation committee considered the recommendation of our Chief Executive Officer and each named executive officer’s performance, individual contributions, responsibilities, experience, prior annual incentive compensation opportunity, peer group market data and internal parity among this group.

Target Performance-Based Incentives for Fiscal 2019

<u>Named Executive Officer</u>	<u>Base Salary (\$)</u>	<u>Target Performance-Based Incentive Under the Bonus Plan (\$)</u>	<u>Target Performance-Based Incentive as Percent of Base Salary</u>
Todd McKinnon	306,000	198,900	65%
William E. Losch	326,400	195,840	60%
J. Frederic Kerrest	300,400	180,240	60%
Charles Race	322,500	322,500	100%
Jonathan T. Runyan	308,700	154,350	50%

Corporate Performance Measures

To measure performance for purposes of the Bonus Plan, our compensation committee selected revenue (weighted 70%) and non-GAAP operating income (weighted 30%) as the corporate performance measures that best supported our annual operating plan and enhanced long-term value creation for our stockholders. We define (i) “revenue” as GAAP revenue as reflected in our quarterly and annual financial statements; and (ii) non-GAAP operating income as GAAP operating income as reflected in our quarterly and annual financial statements, adjusted to exclude expenses related to stock-based compensation expense, charitable contributions and amortization of acquired intangibles. Revenue achievement of 105% of target would result in a maximum funding of 150%, and non-GAAP operating income achievement of 120% would result in a maximum funding of 150%. Total funding and payouts under the Bonus Plan were capped at 150% of the target annual cash incentive opportunities.

The target levels required for 100% achievement for the corporate performance measures under our Bonus Plan were \$371.3 million for revenue and negative \$51.5 million for non-GAAP operating income.

Bonus Plan Funding Methodology

Our compensation committee assessed performance and determined payouts under our Bonus Plan in a two-part process: (1) first, our compensation committee measured actual performance against the pre-established target levels for the performance period; and (2) second, after the end of the performance period, our compensation committee exercised its discretion to determine the actual payout. As a threshold matter, our named executive officers were eligible for annual incentive compensation payouts with respect to each performance measure for fiscal 2019 only if we met or exceeded 95% with respect to the revenue target and 87.5% with respect to the non-GAAP operating income target. A high threshold was required to ensure that significant achievement was a prerequisite to receive any incentive payment.

With respect to the revenue component, 95% achievement would result in 25% of payment funding. For each additional 1% achievement between 95% to 100% of target would result in an additional 15% payment funding. Each additional 1% achievement over 100% would result in 10% payment funding, with a maximum funding of 150% at 105% achievement or greater.

With respect to the non-GAAP operating income component, 87.5% achievement would result in 50% of payment funding. For each additional 2.5% of achievement between 87.5% to 100% of target would result in an additional 10% of payment funding. Each additional 5% achievement over 100% would result in 12.5% payment funding, with a maximum funding of 150% at 120% achievement or greater.

Caps on Payment. The cap on total payouts of the revenue and non-GAAP operating income components were set to manage potential incentive compensation costs and avoid incentivizing undue risk in our executive compensation program, while still maintaining appropriate incentives for our named executive officers.

Performance in Fiscal 2019 and Payout. For fiscal 2019, we exceeded the target performance levels under the Bonus Plan as follows:

<u>Performance Measure</u>	<u>Target (\$ in millions)</u>	<u>Result (\$ in millions)</u>	<u>Actual Achievement of Target (%)</u>
Revenue	371.3	399.3	108%
Non-GAAP Operating Income	-51.5	-41.5	120%

As our achievement of the revenue metric and of the non-GAAP operating income metric each resulted in payment funding of 150%, the resulting total payout percentage was 150%. Consequently, after considering the recommendation of our Chief Executive Officer, our compensation committee determined that each named executive officer receive a bonus payout of 150% of his target bonus percentage. As a result, the total payouts to our named executive officers under the Bonus Plan in fiscal 2019 were as follows:

<u>Named Executive Officer</u>	<u>Fiscal 2019 Target Annual Performance-Based Incentive Compensation Opportunity (\$)</u>	<u>Fiscal 2019 Actual Performance-Based Incentive Compensation (\$)</u>
Todd McKinnon	198,900	298,350
William E. Losch	195,840	293,760
J. Frederic Kerrest	180,240	270,360
Charles Race	322,500	483,750
Jonathan T. Runyan	154,350	231,525

In March 2019, our compensation committee amended the Bonus Plan to provide that the incentive compensation payouts may be made in fully vested RSUs, instead of cash, and determined that any bonuses awarded for achievement in fiscal 2019 and future years would be paid in fully vested RSUs, in order to further align the interests of our executive officers with those of our stockholders. The number of RSUs to be granted to the applicable named executive officer in satisfaction of any amount payable under the Bonus Plan was determined by dividing the earned incentive compensation amount payable to the officer (expressed as a dollar value) by the 30-trading day trailing average closing price of our common stock on the NASDAQ Global Select Market, measured as of the end of the month prior to the month in which the incentive compensation is payable, consistent with our Equity Award Grant Policy.

The RSUs earned by our named executive officers during fiscal 2019 under the Bonus Plan are set forth in the “Fiscal 2019 Summary Compensation Table” below.

Long-Term Equity Incentives

We view long-term incentive compensation in the form of equity awards as a critical element of our executive compensation program. The realized value of these equity awards bears a direct relationship to our stock price, and, therefore, these awards are an incentive for our named executive officers to create value for our stockholders. Equity awards also help us retain qualified executive officers in a competitive market.

Long-term incentive compensation opportunities in the form of equity awards are granted by our compensation committee on a regularly-scheduled basis, as described in “Other Compensation Policies—Equity Award Grant Policy” below. The amount and forms of such equity awards are determined by our compensation committee after considering the factors described in “Oversight of Executive Compensation Program—Compensation-Setting Process” above. The amounts of the equity awards are also intended to provide competitively-sized awards as compared to our compensation peer group, resulting in target total direct compensation opportunities that are competitive with the compensation opportunities offered by the companies in our compensation peer group for similar roles and positions for each of our executive officers, and after taking

into consideration our focus on delivering significantly more value through long-term incentive compensation than through target total cash compensation.

For fiscal 2019, our compensation committee determined that the equity awards to be granted to our executive officers should be in the form of options to purchase shares of our Class A common stock and RSUs, divided equally to deliver half of the intended aggregate fair value in stock options and the remaining half in RSUs. In making its determinations as to the intended target value to award to each of our named executive officers, our compensation committee considered the factors described in “Oversight of Executive Compensation Program—Compensation-Setting Process” above.

Stock Options

We believe that stock options provide a strong reward for growth in the market price of our common stock, as their entire value depends on stock price appreciation over the value on the grant date, as well as a strong incentive for our named executive officers to remain employed with us as they require continued employment through the multi-year vesting period. In fiscal 2019, we granted our named executive officers stock options to purchase shares of our Class A common stock, which have a 10-year term and generally vest as to one-quarter of such shares on the first anniversary of the “vesting commencement date” and in 36 approximately equal monthly installments thereafter, subject to the named executive officer’s continued employment with us through each applicable vesting date. Consistent with our compensation objectives, we believe this approach further aligns our executive officers’ efforts and contributions with our long-term interests and allows them to participate in any future appreciation in the value of our common stock.

RSUs

We believe RSUs also provide a strong retention incentive for our named executive officers, provide a reward for growth in the value of our common stock and are less dilutive than stock options to our stockholders. All RSUs are granted under our 2017 Plan and are settled for shares of our Class A common stock. In fiscal 2019, we granted our named executive officers RSUs that generally vest as to 1/4th of the shares subject to the award on the first anniversary of the applicable “vesting commencement date,” and in 12 approximately equal quarterly installments thereafter, subject to the named executive officer’s continued employment with us through each applicable vesting date.

The equity awards granted to our named executive officers in fiscal 2019 are set forth in the “Fiscal 2019 Summary Compensation Table” and the “Fiscal 2019 Grants of Plan-Based Awards Table” below.

Employee Benefit Programs

Our named executive officers are eligible to participate in all of our employee benefit plans offered to U.S. employees, including our 401(k) plan, employee stock purchase plan, and medical, dental, life and disability insurance plans, in each case on the same basis as other U.S. employees.

Perquisites and Other Personal Benefits

We typically do not provide perquisites or personal benefits to our named executive officers. In the future, we may provide perquisites or other personal benefits in limited circumstances, such as where we believe it is appropriate to assist an individual in the performance of his duties, to make our executive team more efficient and effective or for recruitment or retention purposes. All future practices with respect to perquisites or other benefits for our named executive officers will be subject to review and approval by our compensation committee.

401(k) Plan

We maintain a tax-qualified retirement plan that provides all regular U.S. employees, including our executive officers and named executive officers, with an opportunity to save for retirement on a tax-advantaged basis. Under our 401(k) plan, participants may elect to defer a portion of their compensation on a pre-tax basis and have it contributed to the plan subject to applicable annual limits under the U.S. Internal Revenue Code of 1984, as amended (the “Code”). Pre-tax contributions are allocated to each participant’s individual account and are then invested in selected investment alternatives according to the participants’ directions. Employee elective deferrals are 100% vested at all times. As a U.S. tax-qualified retirement plan, contributions to the 401(k) plan and earnings on those contributions are not taxable to the employees until distributed from the 401(k) plan and all contributions are deductible by us when made.

Post-Employment Compensation Arrangements

Our Executive Severance Plan provides that upon the termination of employment of an eligible participant by us for any reason other than for “cause,” as defined in the Executive Severance Plan, death or disability outside of the change in control period (which is the period beginning three months prior to and ending 12 months after, a “change in control,” as defined in the Executive Severance Plan), an eligible participant will be entitled to receive, subject to the execution and delivery of an effective release of claims in favor of the company, (i) a lump sum cash payment equal to 12 months of base salary for our Chief Executive Officer, nine months for our named executive officers, and six months of base salary for the other participants, and (ii) a monthly cash payment equal to our contribution toward health insurance for 12 months for our Chief Executive Officer, nine months for our named executive officers, and six months for the other participants.

The Executive Severance Plan also provides that upon the (i) termination of employment of an eligible participant by us other than for cause, death or disability or (ii) the resignation of an eligible participant for “good reason,” as defined in the Executive Severance Plan, in each case within the change in control period, an eligible participant will be entitled to receive, in lieu of the payments and benefits above and subject to the execution and delivery of an effective release of claims in favor of the company, (i) a lump sum cash payment equal to 18 months of base salary for our Chief Executive Officer, 12 months for our named executive officers, and nine months of base salary for the other participants, (ii) a lump sum cash payment equal to the eligible participant’s annual target bonus, (iii) a monthly cash payment equal to our contribution toward health insurance for 18 months for our Chief Executive Officer, 12 months for our named executive officers, and nine months for the other participants and (iv) full accelerated vesting of all outstanding and unvested equity awards held by such participant; provided, that any unvested and outstanding equity awards subject to performance conditions will be deemed satisfied at the target levels specified in the applicable award agreements.

The payments and benefits provided under the Executive Severance Plan in connection with a change in control may not be eligible for a federal income tax deduction by us pursuant to Section 280G of the Code. These payments and benefits may also subject an eligible participant, including the named executive officers, to an excise tax under Section 4999 of the Code. If the payments or benefits payable in connection with a change in control would be subject to the excise tax imposed under Section 4999 of the Code, then those payments or benefits will be reduced if such reduction would result in a higher net after-tax benefit to the recipient. We have not provided any named executive officer with any tax reimbursement or gross-up, either in connection with these change in control arrangements, or otherwise.

Other Compensation Policies

Equity Award Grant Policy

Our compensation committee has adopted a policy governing the grant of equity awards (the “Equity Award Grant Policy”). Under this policy, we generally grant equity awards on a regularly scheduled basis to enhance the effectiveness of our internal control over our equity award grant process. Pursuant to the Equity Award Grant

Policy, our compensation committee has delegated certain limited authority to an equity committee, comprised of our Chief Executive Officer, Chief People Officer, Chief Financial Officer and General Counsel, to grant routine new hire, promotion, refresh and certain other equity awards to employees (other than to members of the Equity Committee, employees who are subject to the reporting and other provisions of Section 16 of the Exchange Act and employees with titles more senior than vice president) within equity guidelines reviewed and approved from time to time by our compensation committee and subject to other limitations and requirements. Grants of equity awards are generally made quarterly and will be effective on the date such grant is approved by our compensation committee or equity committee, as applicable.

Compensation Recovery Policy

Our 2017 Plan provides that awards under such plan will be subject to our compensation recovery (“clawback”) policy, if and when adopted. Currently, we have not implemented a compensation recovery policy. We intend to adopt a general compensation recovery policy covering our short- and long-term incentive award plans and arrangements once the SEC adopts final rules implementing the requirement of Section 954 of the Dodd-Frank Wall Street Reform and Consumer Protection Act.

Policy Prohibiting Hedging and Pledging of Company Securities

Our insider trading policies prohibit the members of our board and all employees, including our executive officers, from engaging in derivative securities transactions, including hedging, with respect to our securities and from pledging our securities as collateral for a loan or holding company securities in a margin account. Our insider trading policies require that our executive officers may trade in our securities only pursuant to trading plans that comply with Rule 10b5-1 under the Exchange Act (“Rule 10b5-1 trading plans”). Certain other employees and our directors are subject to certain pre-clearance procedures in order to trade in our securities or may trade pursuant to Rule 10b5-1 trading plans.

Tax and Accounting Considerations

Deductibility of Executive Compensation

Section 162(m) of the Internal Revenue Code generally places a \$1 million limit on the amount of compensation a public company can deduct in any one year for certain executive officers. While our compensation committee considers tax deductibility as one factor in determining executive compensation, our compensation committee also looks at other factors in making its decisions, as noted above, and retains the flexibility to award compensation that it determines to be consistent with the goals of our executive compensation program even if the awards are not deductible by us for tax purposes. The exemption from Section 162(m)’s deduction limit for performance-based compensation has been repealed, effective for taxable years beginning after December 31, 2017, such that compensation paid to our named executive officers and certain other individuals in excess of \$1 million will not be deductible unless it qualifies for the limited transition relief applicable to certain arrangements in place as of November 2, 2017. We expect that a portion of our future cash compensation and equity awards to our executive officers will not be deductible under Section 162(m).

Despite our compensation committee’s efforts to structure certain performance-based awards that were granted prior to November 2, 2017 in a manner intended to be exempt from Section 162(m) and therefore not subject to its deduction limits, because of ambiguities and uncertainties as to the application and interpretation of Section 162(m) and the regulations issued thereunder, including the uncertain scope of the transition relief under the legislation repealing the performance-based compensation exemption from the deduction limit, no assurance can be given that compensation intended to satisfy the requirements for exemption from Section 162(m) in fact will. Further, our compensation committee reserves the right to modify compensation that was initially intended to be exempt from Section 162(m) if it determines that such modifications are consistent with our business needs. Our compensation committee believes that stockholder interests are best served if its discretion and flexibility in awarding compensation is not restricted, even though some compensation awards may result in non-deductible compensation expenses.

Taxation of “Parachute” Payments

Sections 280G and 4999 of the Code provide that executive officers and directors who hold significant equity interests and certain other service providers may be subject to significant additional taxes if they receive payments or benefits in connection with a change in control of the company that exceeds certain prescribed limits, and that the company (or a successor) may forfeit a deduction on the amounts subject to this additional tax. We have not agreed to provide any executive officer, including any named executive officer, with a “gross-up” or other reimbursement payment for any tax liability that the executive officer might owe as a result of the application of Sections 280G or 4999 of the Code.

Section 409A of the Code

Section 409A of the Code imposes additional significant taxes in the event that an executive officer, director or service provider receives “deferred compensation” that does not satisfy the requirements of Section 409A of the Code. Although we do not maintain a traditional nonqualified deferred compensation plan for our executive officers, Section 409A of the Code does apply to certain severance arrangements, bonus arrangements and equity awards, and we have structured all such arrangements and awards in a manner to either avoid or comply with the applicable requirements of Section 409A of the Code.

Accounting for Stock-Based Compensation

We follow the Financial Accounting Standard Board’s Accounting Standards Codification Topic 718 (“FASB ASC Topic 718”) for our stock-based compensation awards. FASB ASC Topic 718 requires us to measure the compensation expense for all share-based payment awards made to our employees and non-employee members of our board, including options to purchase shares of our common stock and other stock awards, based on the grant date “fair value” of these awards. This calculation is performed for accounting purposes and reported in the executive compensation tables required by the federal securities laws, even though the recipient of the awards may never realize any value from such awards.

Fiscal 2019 Summary Compensation Table

The following table presents information regarding the compensation awarded to, earned by and paid to each individual who served as one of our named executive officers during fiscal 2019, fiscal 2018, and the fiscal year ended January 31, 2017 (“fiscal 2017”).

<u>Name and Principal Position</u>	<u>Fiscal Year</u>	<u>Salary (\$)</u>	<u>Stock Awards (\$)⁽¹⁾</u>	<u>Option Awards (\$)⁽²⁾</u>	<u>Non-Equity Incentive Plan Compensation (\$)⁽³⁾</u>	<u>Total (\$)</u>
Todd McKinnon	2019	306,000	2,215,365	2,245,905	290,011	5,057,281
Chief Executive Officer ⁽⁴⁾	2018	284,625	0	0	132,649	417,274
	2017	247,500	0	7,880,000	71,651	8,199,151
William E. Losch	2019	326,400	1,384,113	1,402,615	285,545	3,398,673
Chief Financial Officer ⁽⁵⁾	2018	303,600	0	0	117,912	421,512
J. Frederic Kerrest	2019	300,400	1,936,974	1,961,940	262,812	4,462,126
Chief Operating Officer ⁽⁴⁾	2018	279,450	0	0	119,385	398,835
	2017	243,000	0	3,940,000	52,761	4,235,761
Charles Race	2019	322,500	992,013	1,006,785	470,252	2,791,550
President, Worldwide Field Operations	2018	300,000	0	0	223,500	523,500
	2017	84,231	0	5,088,000	61,500	5,233,731
Jonathan T. Runyan	2019	308,700	882,225	894,920	225,059	2,310,904
General Counsel ⁽⁶⁾						

- (1) The amounts reported represent the aggregate grant date fair value of the RSUs granted to our named executive officers in fiscal 2019, calculated in accordance with ASC Topic 718. The assumptions used in calculating the grant date fair value are set forth in the notes to our consolidated financial statements included in our 2019 Annual Report. These amounts do not necessarily correspond to the actual value recognized by our named executive officers.
- (2) The amounts reported represent the aggregate grant date fair value of the stock options granted to our named executive officers in fiscal 2019 and fiscal 2017, calculated in accordance with ASC Topic 718. The assumptions used in calculating the grant date fair value are set forth in the notes to our consolidated financial statements included in our 2019 Annual Report. These amounts do not necessarily correspond to the actual value recognized by the named executive officers.
- (3) The amounts reported represent the aggregate annual performance-based cash incentives earned in fiscal 2019, fiscal 2018 and fiscal 2017, based upon the achievement of certain company metrics. The amounts reported for fiscal 2019 were paid pursuant to the terms and conditions of the Bonus Plan. The fiscal 2019 achievement for each named executive officer is described above in “Compensation Discussion and Analysis – Annual Performance Based Incentives – Performance in Fiscal 2019 and Payout.” In fiscal 2019, such amounts were paid in the form of fully vested RSUs granted on March 19, 2019, in the following numbers, as determined in accordance with our Equity Award Grant Policy: Mr. McKinnon was awarded 3,572 RSUs, Mr. Losch was awarded 3,517 RSUs, Mr. Kerrest was awarded 3,237 RSUs, Mr. Race was awarded 5,792 RSUs and Mr. Runyan was awarded 2,772 RSUs.
- (4) Mr. McKinnon and Mr. Kerrest serve on our board but are not paid compensation for such service.
- (5) Mr. Losch was not a named executive officer in fiscal 2017.
- (6) Mr. Runyan was not a named executive officer in fiscal 2017 or fiscal 2018.

Fiscal 2019 Grants of Plan-Based Awards Table

The following table sets forth certain information with respect to all plan-based awards granted to our named executive officers during fiscal 2019.

Name	Award Type	Grant Date	Estimated Possible Payouts Under Non-Equity Incentive Plan Awards ⁽¹⁾			All Other Stock Awards: Number of Shares of Stock or Units (#) ⁽²⁾	All Other Option Awards: Number of Securities Underlying Options (#) ⁽²⁾	Exercise or Base Price of Option Awards (\$/Sh) ⁽³⁾	Grant Date Fair Value of Stock and Option Awards (\$) ⁽⁴⁾
			Threshold (\$)	Target (\$)	Maximum (\$)				
Todd McKinnon	Annual Cash	—	29,835	198,900	298,350	—	—	—	
	Annual Option	3/22/2018	—	—	—	—	130,500	39.21	2,245,905
	Annual RSU	3/22/2018	—	—	—	56,500	—	—	2,215,365
William E. Losch	Annual Cash	—	29,376	195,840	293,760	—	—	—	
	Annual Option	3/22/2018	—	—	—	—	81,500	39.21	1,402,615
	Annual RSU	3/22/2018	—	—	—	35,300	—	—	1,384,113
J. Frederic Kerrest	Annual Cash	—	27,036	180,240	270,360	—	—	—	
	Annual Option	3/22/2018	—	—	—	—	114,000	39.21	1,961,940
	Annual RSU	3/22/2018	—	—	—	49,400	—	—	1,936,974
Charles Race	Annual Cash	—	48,375	322,500	483,750	—	—	—	
	Annual Option	3/22/2018	—	—	—	—	58,500	39.21	1,006,785
	Annual RSU	3/22/2018	—	—	—	25,300	—	—	992,013
Jonathan T. Runyan	Annual Cash	—	23,153	154,350	231,525	—	—	—	
	Annual Option	3/22/2018	—	—	—	—	52,000	39.21	894,920
	Annual RSU	3/22/2018	—	—	—	22,500	—	—	882,225

- (1) This column sets for the fiscal 2019 target bonus amount for each of our named executive officers under our Bonus Plan. There are no thresholds or maximum bonus amounts for each individual officer established under the Bonus Plan. Target bonuses were set as a percentage of each named executive officer’s base salary earned for fiscal 2019 and were 65% for Mr. McKinnon, 60% for each of Messrs. Losch and Kerrest, 100% for Mr. Race and 50% for Mr. Runyan. The dollar

value of the actual bonus award earned for fiscal 2019 for each named executive officer is set forth in the Fiscal 2019 Summary Compensation Table above. As such, the amounts set forth in this column do not represent either additional or actual compensation earned by the named executive officers for fiscal 2019. For a description of the Bonus Plan, see “Compensation Discussion and Analysis –Annual Performance-Based Incentives” above.

- (2) Annual stock options and RSUs were granted under the 2017 Plan. Each of the annual stock option awards listed in the table above vested as to 25% of the shares of Class A common stock underlying the stock options upon the one-year anniversary of February 1, 2018 and vest as to the remainder of the shares in 36 equal monthly installments thereafter. Each of the annual RSU awards vested as to 25% of the shares of Class A common stock underlying the RSU award upon the one-year anniversary of March 15, 2018 and vest as to the remainder of the shares in 12 equal quarterly installments thereafter. Stock options and RSUs are subject to potential vesting acceleration as described under the heading “Post-Employment Compensation Arrangements” above and “Potential Payments upon Termination or Change in Control” below.
- (3) Stock options were granted with an exercise price equal to 100% of the fair market value on the date of grant, which was \$39.21 per share for the March 22, 2018 annual grants.
- (4) The amounts reported represent the aggregate grant date fair value of the stock options granted to our named executive officers in fiscal 2019, calculated in accordance with ASC Topic 718. The assumptions used in calculating the grant date fair value are set forth in the notes to our consolidated financial statements included in our 2019 Annual Report. These amounts do not necessarily correspond to the actual value recognized by our named executive officers.

Fiscal 2019 Outstanding Equity Awards at Fiscal Year-End Table

The following table provides information regarding outstanding equity awards held by our named executive officers as of January 31, 2019.

Name	Option Awards ⁽¹⁾⁽²⁾					Stock Awards		
	Grant Date	Vesting Commencement Date	Number of Securities Underlying Unexercised Options		Option Exercise Price(\$)	Option Expiration Date	Number of Shares or Units of Stock That Have Not Vested (#)	Market Value of Shares or Units of Stock That Have Not Vested (\$)(3)
			Exercisable	Unexercisable				
Todd McKinnon	8/30/2013 ⁽⁴⁾	8/1/2013	112,500	—	1.40	8/29/2023	—	—
	8/28/2015 ⁽⁴⁾	8/1/2015	500,000	—	7.17	8/27/2025	—	—
	7/30/2016 ⁽⁶⁾	7/29/2016	2,000,000	—	8.97	7/29/2026	—	—
	3/22/2018 ⁽⁷⁾	2/1/2018	—	130,500	39.21	3/21/2028	—	—
	3/22/2018 ⁽⁸⁾	3/15/2018	—	—	—	—	56,500	4,657,295
William E. Losch	8/30/2013 ⁽⁴⁾	8/1/2013	106,820	—	1.40	8/29/2023	—	—
	8/28/2015 ⁽⁵⁾	8/1/2015	59,536	—	7.17	8/27/2025	—	—
	7/30/2016 ⁽⁶⁾	7/29/2016	315,200	—	8.97	7/29/2026	—	—
	3/22/2018 ⁽⁷⁾	2/1/2018	—	81,500	39.21	3/21/2028	—	—
	3/22/2018 ⁽⁸⁾	3/15/2018	—	—	—	—	35,300	2,909,779
J. Frederic Kerrest	8/30/2013 ⁽⁴⁾	8/1/2013	75,000	—	1.40	8/29/2023	—	—
	8/27/2014 ⁽⁴⁾	8/1/2014	75,000	—	3.11	8/26/2024	—	—
	8/28/2015 ⁽⁵⁾	8/1/2015	250,000	—	7.17	8/27/2025	—	—
	7/30/2016 ⁽⁶⁾	7/29/2016	1,000,000	—	8.97	7/29/2026	—	—
	3/22/2018 ⁽⁷⁾	2/1/2018	—	114,000	39.21	3/21/2028	—	—
Charles Race	3/22/2018 ⁽⁸⁾	3/15/2018	—	—	—	—	49,400	4,072,042
	10/24/2016 ⁽⁷⁾	10/20/2016	1,200,000	—	8.97	10/23/2026	—	—
	3/22/2018 ⁽⁷⁾	2/1/2018	—	58,500	39.21	3/21/2028	—	—
	3/22/2018 ⁽⁸⁾	3/15/2018	—	—	—	—	25,300	2,085,479
Jonathan T. Runyan	1/22/2015 ⁽⁴⁾	1/20/2015	46,876	—	3.11	1/21/2025	—	—
	8/28/2015 ⁽⁵⁾	8/1/2015	11,459	—	7.17	8/27/2025	—	—
	2/25/2016 ⁽⁵⁾	2/1/2016	35,417	—	8.62	2/24/2026	—	—
	7/30/2016 ⁽⁶⁾	7/29/2016	195,625	—	8.97	7/29/2026	—	—
	3/22/2018 ⁽⁷⁾	2/1/2018	—	52,000	39.21	3/21/2028	—	—
	3/22/2018 ⁽⁸⁾	3/15/2018	—	—	—	—	22,500	1,854,675

- (1) Stock options granted prior to 2017 were granted pursuant to our 2009 Stock Plan (the “2009 Plan”), and unless otherwise described in the footnotes below, are immediately exercisable subject to a repurchase right in favor of the company that expires over a four-year period. Unless otherwise described in the footnotes below, the shares underlying the option will vest over a four-year period, with 25% of the shares to vest upon completion of one year of service measured from the vesting commencement date, and the balance to vest in 36 successive equal monthly installments, subject to continuous service. Stock options granted after 2017 were granted pursuant to our 2017 Plan and are not immediately exercisable.
- (2) Upon a (i) termination of employment by us other than for cause (as defined in the Executive Severance Plan), death or disability or (ii) resignation for good reason (as defined in the Executive Severance Plan), in each case within the change in control period (as defined in the Executive Severance Plan), the vesting of the shares subject to the option shall fully accelerate and become vested in full upon such termination date.
- (3) This column represents the market value of the shares underlying the RSUs or restricted stock as of January 31, 2019, based on the closing price of our Class A common stock, as reported on NASDAQ, of \$82.43 per share on January 31, 2019.
- (4) The stock option is fully vested and exercisable.
- (5) The shares underlying the option vest in 48 successive equal monthly installments beginning on the vesting commencement date, subject to continuous service.
- (6) 20% of the shares underlying the option vest upon completion of one year of service measured from the vesting commencement date, another 20% of the shares underlying the option vest upon completion of two years of service measured from the vesting commencement date, and the balance of shares vest in 36 successive equal monthly installments, subject to continuous service.
- (7) 25% of the shares underlying the option vest upon completion of one year of service measured from the vesting commencement date, and the balance of the shares vest in 36 successive equal monthly installments, subject to continuous service.
- (8) 25% of the shares underlying the award vest upon completion of one year of service measured from the vesting commencement date, and the balance of the shares vest in 12 successive equal quarterly installments, subject to continuous service.

Fiscal 2019 Option Exercises Table

The following table presents, for each of our named executive officers, the shares of our common stock that were acquired upon the exercise of stock options and the related value realized upon exercise during fiscal 2019. No RSUs held by our named executive officers vested in fiscal 2019.

<u>Name</u>	<u>Option Awards</u>	
	<u>Number of Shares Acquired on Exercise (#)</u>	<u>Value Realized on Exercise (\$)⁽¹⁾</u>
Todd McKinnon	—	—
William E. Losch	287,800	14,848,261
J. Frederic Kerrest	—	—
Charles Race	—	—
Jonathan T. Runyan	95,000	4,915,529

- (1) The value realized on exercise is based on the difference between the closing price of our Class A common stock on the date of exercise and the applicable exercise price of those options and does not represent actual amounts received by our named executive officers as a result of the option exercises.

Potential Payments upon Termination or Change in Control

Employment Offer Letters in Place During Fiscal 2019 for Named Executive Officers

In February 2017, we entered into employment offer letters with each of our named executive officers which provided for at-will employment, set forth each executive’s annual base salary, target bonus opportunity and

eligibility to participate in our benefit plans generally. Each of our named executive officers also participates in our Executive Severance Plan, as further described above under the heading “Post-Employment Compensation Arrangements” and below. Each named executive officer also remains subject to our standard employment, confidential information and invention assignment agreement.

The following table presents information concerning estimated payments and benefits that would be provided in the circumstances described above for each of our named executive officers serving as of the end of fiscal 2019. The payments and benefits set forth below are estimated assuming that the termination of employment or change in control event occurred on the last business day of fiscal 2019, January 31, 2019, and a per share value of our common stock of \$82.43, which is the closing market price per share of our Class A common stock on such date. Actual payments and benefits could be different if such events were to occur on any other date or at any other price or if any other assumptions are used to estimated potential payments and benefits.

<u>Name</u>	<u>Benefit</u>	<u>Termination without Cause Not in Connection with a Change in Control (\$)</u>	<u>Termination without Cause or with Good Reason in Connection with a Change in Control (\$)</u>
Todd McKinnon	Cash Severance	306,000	657,900
	Health Benefits	27,728	41,592
	Equity Acceleration ⁽¹⁾	—	89,245,385
	Total	333,728	89,944,877
William E. Losch	Cash Severance	244,800	522,240
	Health Benefits	20,796	27,728
	Equity Acceleration ⁽¹⁾	—	20,934,022
	Total	265,596	21,483,990
J. Frederic Kerrest	Cash Severance	225,300	480,640
	Health Benefits	7,521	10,028
	Equity Acceleration ⁽¹⁾	—	48,473,173
	Total	232,821	48,963,841
Charles Race	Cash Severance	241,875	645,000
	Health Benefits	6,674	8,898
	Equity Acceleration ⁽¹⁾	—	43,180,422
	Total	248,549	43,834,320
Jonathan T. Runyan	Cash Severance	231,525	463,050
	Health Benefits	20,796	27,728
	Equity Acceleration ⁽¹⁾	—	15,832,481
	Total	252,321	16,323,259

⁽¹⁾ The value of stock option and RSU award vesting acceleration is based on the closing price of \$82.43 per share of our Class A common stock as of January 31, 2019, minus, in the case of stock options, the exercise price of the unvested stock option shares subject to acceleration.

REPORT OF THE COMPENSATION COMMITTEE OF THE BOARD OF DIRECTORS

The information contained in this compensation committee report shall not be deemed to be “soliciting material,” “filed” with the SEC, subject to Regulations 14A or 14C of the Exchange Act, or subject to the liabilities of Section 18 of the Exchange Act. No portion of this compensation committee report shall be deemed to be incorporated by reference into any filing under the Securities Act of 1933, as amended (the “Securities Act”) or the Exchange Act, through any general statement incorporating by reference in its entirety the proxy statement in which this report appears, except to the extent that Okta specifically incorporates this report or a portion of it by reference. In addition, this report shall not be deemed filed under either the Securities Act or the Exchange Act.

The compensation committee has reviewed and discussed the section captioned “Executive Compensation” with the company’s management team. Based on such review and discussions, the compensation committee recommended to the board of directors that this Compensation Discussion and Analysis be included in the Proxy Statement and be included in the Annual Report on Form 10-K we filed with the SEC for the fiscal year ended January 31, 2019.

Compensation Committee

Michael Stankey (Chairperson)

Pat Grady*

Rebecca Saeger*

Michelle Wilson

* Mr. Grady served on the compensation committee until March 2019, when Ms. Saeger joined the committee.

EQUITY COMPENSATION PLAN INFORMATION

The following table provides information as of January 31, 2019 regarding shares of our common stock that may be issued under our equity compensation plans consisting of the 2009 Stock Plan, the 2017 Plan and the 2017 Employee Stock Purchase Plan (the “2017 ESPP”).

<u>Plan category</u>	Equity Compensation Plan Information		
	Number of Securities to be Issued upon Exercise of Outstanding Options, Warrants and Rights	Weighted Average Exercise Price of Outstanding Options, Warrants and Rights	Number of Securities Remaining Available for Future Issuance under Equity Compensation Plan (Excluding Securities Referenced in Column (a))
	(a)	(b)	(c)
Equity compensation plans approved by security holders ⁽¹⁾ :	17,803,794 ⁽²⁾	9.1621 ⁽³⁾	12,635,830 ⁽⁴⁾
Equity compensation plans not approved by security holders:	N/A	N/A	N/A
Total	17,803,794	9.1621	12,635,830

- ⁽¹⁾ The 2017 Plan provides that the number of shares of Class A common stock reserved and available for issuance under the 2017 Plan will automatically increase each February 1, beginning on February 1, 2018, by 5% of the outstanding number of shares of our Class A and Class B common stock on the immediately preceding January 31 or such lesser number of shares as determined by our compensation committee. The 2017 ESPP provides that the number of shares of Class A common stock reserved and available for issuance under the 2017 ESPP will automatically increase each February 1, beginning on February 1, 2018, by 1% of the outstanding number of shares of our Class A and Class B common stock on the immediately preceding January 31 or such lesser number of shares as determined by our compensation committee. As of January 31, 2019, a total of 12,635,830 shares of our Class A common stock had been reserved for issuance pursuant to the 2017 Plan, which number excludes the 5,607,625 shares that were added to the 2017 Plan as a result of the automatic annual increase on February 1, 2019. This number will be subject to adjustment in the event of a stock split, stock dividend or other change in our capitalization. The shares of Class A and Class B common stock underlying any awards that are forfeited, cancelled, held back upon exercise or settlement of an award to satisfy the exercise price or tax withholding, reacquired by us prior to vesting, satisfied without the issuance of stock, expire or are otherwise terminated, other than by exercise, under the 2017 Plan and the 2009 Plan will be added back to the shares of Class A common stock available for issuance under the 2017 Plan (provided, that any such shares of Class B common stock will first be converted into shares of Class A common stock). We no longer make grants under the 2009 Plan. As of January 31, 2019, a total of 2,855,127 shares of our Class A common stock had been reserved for issuance pursuant to the 2017 ESPP, which number excludes the 1,121,525 shares that were added to the 2017 ESPP as a result of the automatic annual increase on February 1, 2019. This number will be subject to adjustment in the event of a stock split, stock dividend or other change in our capitalization.
- ⁽²⁾ Includes 17,803,794 shares of Class A and Class B common stock issuable upon the exercise of outstanding options and 4,835,536 shares of Class A common stock issuable upon the vesting of RSUs. Does not include 387,650 shares of restricted Class B common stock issued under the 2009 Plan as such shares have been reflected in our total shares outstanding.
- ⁽³⁾ As RSUs do not have any exercise price, such units are not included in the weighted average exercise price calculation.
- ⁽⁴⁾ As of January 31, 2019, there were 12,635,830 shares of Class A common stock available for grant under the 2017 Plan and 2,855,127 shares of Class A common stock available for grant under the 2017 ESPP.

**SECURITY OWNERSHIP OF
CERTAIN BENEFICIAL OWNERS AND MANAGEMENT**

The following table sets forth certain information with respect to the beneficial ownership of our capital stock as of April 1, 2019, for:

- each person known by us to be the beneficial owner of more than five percent of the outstanding shares of our Class A or Class B common stock;
- each of our named executive officers for fiscal 2019;
- each of our directors; and
- all of our directors and executive officers as a group.

We have determined beneficial ownership in accordance with the rules of the SEC, and thus it represents sole or shared voting or investment power with respect to our securities. Unless otherwise indicated below, to our knowledge, the persons and entities named in the table have sole voting and sole investment power with respect to all shares that they beneficially owned, subject to community property laws where applicable.

We have based percentage ownership of our capital stock on 103,288,506 shares of our Class A common stock and 10,203,869 shares of our Class B common stock outstanding on April 1, 2019. We have deemed shares of our common stock subject to options that are currently exercisable or exercisable within 60 days of April 1, 2019 to be outstanding and to be beneficially owned by the person holding the option for the purpose of computing the percentage ownership of that person but have not treated them as outstanding for the purpose of computing the percentage ownership of any other person.

Unless otherwise indicated, the address of each beneficial owner listed in the table below is c/o Okta, Inc., 100 First Street, Suite 600, San Francisco, California 94105.

	Shares Beneficially Owned					
	Class A		Class B		Total Voting% [†]	Total Ownership%
	Shares	%	Shares	%		
5% Stockholders:						
Entities affiliated with Khosla ⁽¹⁾	—	—	1,236,994	12.1%	6.0%	1.1%
Entities affiliated with FMR ⁽²⁾	9,545,698	9.2%	—	—	4.6%	8.4%
Entities affiliated with The Vanguard Group ⁽³⁾	7,645,704	7.4%	—	—	3.7%	6.7%
Named Executive Officers and Directors:						
Todd McKinnon ⁽⁴⁾	51,474	*	7,925,521	61.8%	34.3%	6.9%
J. Frederic Kerrest ⁽⁵⁾	45,265	*	3,600,007	31.0%	16.4%	3.2%
William E. Losch ⁽⁶⁾	34,266	*	921,442	8.6%	4.4%	*
Charles Race ⁽⁷⁾	26,871	*	1,140,000	10.0%	5.3%	1.0%
Jonathan T. Runyan ⁽⁸⁾	68,094	*	289,377	2.8%	1.4%	*
Shellye Archambeau	—	—	—	—	—	—
Patrick Grady ⁽⁹⁾	401,239	*	—	—	*	*
Ben Horowitz ⁽¹⁰⁾	1,545,536	1.5%	—	—	*	1.4%
Michael Kourey ⁽¹¹⁾	11,765	*	212,500	2.0%	1.0%	*
Rebecca Saeger	—	—	—	—	—	—
Michael Stankey ⁽¹²⁾	11,765	*	190,000	1.8%	*	*
Michelle Wilson ⁽¹³⁾	11,765	*	190,000	1.9%	*	*
All directors and executive officers as a group (12 persons) ⁽¹⁴⁾	2,208,040	2.1%	14,468,847	87.6%	54.7%	13.9%

* Represents less than one percent (1%).

† Percentage of total voting power represents voting power with respect to all shares of our Class A common stock and Class B common stock, as a single class. The holders of our Class A common stock are entitled to one vote per share, and holders of our Class B common stock are entitled to ten votes per share.

- (1) Consists of (i) 74,331 shares of Class B common stock held of record by Khosla Ventures IV (CF), L.P. and (ii) 1,162,663 shares of Class B common stock held of record by Khosla Ventures IV, L.P. (collectively, the “Khosla Entities”). Khosla Ventures Associates IV, LLC (“KVA IV”) is the general partner of the Khosla Entities. VK Services, LLC (“VK Services”) is the sole manager of KVA IV. Vinod Khosla is the managing member of VK Services. Each of KVA IV, VK Services, and Vinod Khosla may be deemed to share voting and dispositive power over the shares held by the Khosla Entities. The address for each of these entities is 2128 Sand Hill Road, Menlo Park, California 94025.
- (2) Based on information reported by FMR LLC on Schedule 13G/A filed with the SEC on February 13, 2019. FMR LLC listed its address as 245 Summer Street, Boston, Massachusetts 02210.
- (3) Based on information reported by The Vanguard Group on Schedule 13G filed with the SEC on February 11, 2019. The Vanguard Group listed its address as 100 Vanguard Blvd., Malvern, PA 19355.
- (4) Consists of (i) 10,693 shares of Class A common stock held of record by Mr. McKinnon, (ii) 5,183,906 shares of Class B common stock held of record by Todd Roland McKinnon and Roxanne Veronica Stachon, Trustees of the McKinnon Stachon Family Trust dated June 16, 2006, (iii) 129,115 shares of Class B common stock held of record by Todd Roland McKinnon, Trustee of the McKinnon 2014 GRAT dated March 25, 2014, (iv) 40,781 shares of Class A common stock subject to outstanding options that are exercisable within 60 days of April 1, 2019 and (v) 2,612,500 shares of Class B common stock subject to outstanding options that are exercisable within 60 days of April 1, 2019. Mr. McKinnon and Ms. Stachon share voting and dispositive power over the McKinnon Stachon Family Trust. Mr. McKinnon holds sole voting and dispositive power over the McKinnon 2014 GRAT dated March 25, 2014.
- (5) Consists of (i) 1,664 shares of Class A common stock held of record by Mr. Kerrest, (ii) 7,976 shares of Class A common stock held of record by Jacques Frederic Kerrest and Sara Livingston Johnson, as Trustees of the Kerrest Family Revocable Trust, (iii) 1,809,329 shares of Class B common stock held of record by Jacques Frederic Kerrest and Sara Livingston Johnson, as Trustees of the Kerrest Family Revocable Trust, (iv) 154,247 shares of Class B common stock held of record by the Commonwealth Trust Company Trust, as trustee of the Kerrest Irrevocable Trust, (v) 11,427 shares of Class B common stock held of record by Jacques Frederic Kerrest, as Trustee of the Kerrest Family Revocable Trust, (vi) 178,022 shares of Class B common stock held of record by Jacques Frederic Kerrest, as Trustee of the Kerrest 2015 GRAT, (vii) 46,982 shares of Class B common stock held of record by Jacques Frederic Kerrest, as Trustee of the Kerrest/Johnson 2015 GRAT, (viii) 35,625 shares of Class A common stock subject to outstanding options that are exercisable within 60 days of April 1, 2019 and (ix) 1,400,000 shares of Class B common stock subject to outstanding options that are exercisable within 60 days of April 1, 2019, of which 400,000 shares are held by Jacques Frederic Kerrest and Sara Livingston Johnson, as Trustees of the Kerrest Family Revocable Trust and 1,000,000 shares are held by Mr. Kerrest. Mr. Kerrest has sole voting and dispositive power with respect to shares held by (i) Jacques Frederic Kerrest, as Trustee of the Kerrest Family Revocable Trust, (ii) Jacques Frederic Kerrest, as Trustee of the Kerrest 2015 GRAT and (iii) Jacques Frederic Kerrest, as Trustee of the Kerrest/Johnson 2015 GRAT. Mr. Kerrest has shared voting power and dispositive power with respect to the shares held (i) by Jacques Frederic Kerrest and Sara Livingston Johnson, as Trustees of the Kerrest Family Revocable Trust and (ii) of record by the Commonwealth Trust Company, as trustee of the Kerrest Irrevocable Trust; provided, however, that Mr. Kerrest’s wife, in her role as investment advisor of the Kerrest Irrevocable Trust, has voting and dispositive power with respect to the shares held of record by the Commonwealth Trust Company, as trustee of the Kerrest Irrevocable Trust, and Mr. Kerrest has no voting and dispositive power with respect to such shares.
- (6) Consists of (i) 8,798 shares of Class A common stock held of record by Mr. Losch, (ii) 459,886 shares of Class B common stock held of record by William Losch and Susanne Losch, Trustees of the Losch 2006 Trust, (iii) 25,468 shares of Class A common stock subject to outstanding options that are exercisable within 60 days of April 1, 2019 and (iv) 461,556 shares of Class B common stock subject to outstanding options

that are exercisable within 60 days of April 1, 2019. Mr. Losch and Mrs. Losch share voting and dispositive power over the Losch 2006 Trust.

- (7) Consists of (i) 8,590 shares of Class A common stock held of record by Mr. Race, (ii) 18,281 shares of Class A common stock subject to outstanding options that are exercisable within 60 days of April 1, 2019 and (iii) 1,140,000 shares of Class B common stock subject to outstanding options that are exercisable within 60 days of April 1, 2019.
- (8) Consists of (i) 51,844 shares of Class A common stock held of record by the Runyan 2017 Trust dtd 07/11/2017, Jonathan Runyan & Kimberly Runyan TTEE, (ii) 16,250 shares of Class A common stock subject to outstanding options that are exercisable within 60 days of April 1, 2019 and (iii) 289,377 shares of Class B common stock subject to outstanding options that are exercisable within 60 days of April 1, 2019. Mr. Runyan and Mrs. Runyan share voting and dispositive power over the Runyan 2017 Trust dtd 07/11/2017.
- (9) Consists of 401,239 shares of Class A common stock held of record by Mr. Grady.
- (10) Consists of (i) 11,765 shares of Class A common stock held of record by Mr. Horowitz and (ii) 1,533,771 shares of Class A common stock held of record by a family trust for which Mr. Horowitz is a trustee.
- (11) Consists of (i) 11,765 shares of Class A common stock held of record by the Kourey Living Trust and (ii) 212,500 shares of Class B common stock subject to outstanding options that are exercisable within 60 days of April 1, 2019. Mr. Kourey has sole voting and dispositive power over the Kourey Living Trust.
- (12) Consists of (i) 11,765 shares of Class A common stock held of record by Mr. Stankey and (ii) 190,000 shares of Class B common stock subject to outstanding options that are exercisable within 60 days of April 1, 2019.
- (13) Consists of (i) 11,765 shares of Class A common stock held of record by Ms. Wilson and (ii) 190,000 shares of Class B common stock held of record by Ms. Wilson, of which 15,834 shares remain subject to repurchase.
- (14) Consists of (i) 2,071,635 shares of Class A common stock beneficially owned by our current directors and executive officers, (ii) 8,162,914 shares of Class B common stock beneficially owned by our current directors and executive officers, (iii) 136,405 shares of Class A common stock subject to outstanding options that are exercisable within 60 days of April 1, 2019 and (iv) 6,305,933 shares of Class B common stock subject to outstanding options that are exercisable within 60 days of April 1, 2019.

CERTAIN RELATIONSHIPS AND RELATED PARTY TRANSACTIONS

Certain Relationships and Transactions

In addition to the compensation arrangements, including employment, termination of employment and change in control arrangements and indemnification arrangements, discussed in the section titled “Executive Compensation,” the following is a description of each transaction since February 1, 2018 and each currently proposed transaction in which:

- we have been or are to be a participant;
- the amount involved exceeded or exceeds \$120,000; and
- any of our directors, executive officers or holders of more than 5% of our capital stock, or any immediate family member of, or person sharing the household with, any of these individuals, had or will have a direct or indirect material interest.

Other Transactions

We have granted stock options to our executive officers and certain of our directors, and we have granted RSUs to our directors. See the sections titled “Executive Compensation” and “Corporate Governance—Non-Employee Director Compensation” for a description of these options and RSUs.

We have entered into change in control arrangements with certain of our executive officers that, among other things, provide for certain severance and change in control benefits. See the section titled “Executive Compensation—Compensation Discussion and Analysis—Post-Employment Compensation Arrangements” for more information regarding these agreements.

Limitation of Liability and Indemnification of Officers and Directors

Our certificate of incorporation contains provisions that limit the liability of our directors for monetary damages to the fullest extent permitted by Delaware law. Consequently, our directors will not be personally liable to us or our stockholders for monetary damages for any breach of fiduciary duties as directors, except liability for the following:

- any breach of their duty of loyalty to our company or our stockholders;
- any act or omission not in good faith or that involves intentional misconduct or a knowing violation of law;
- unlawful payments of dividends or unlawful stock repurchases or redemptions as provided in Section 174 of the Delaware General Corporation Law; or
- any transaction from which they derived an improper personal benefit.

Any amendment to, or repeal of, these provisions will not eliminate or reduce the effect of these provisions in respect of any act, omission or claim that occurred or arose prior to that amendment or repeal. If the Delaware General Corporation Law is amended to provide for further limitations on the personal liability of directors of corporations, then the personal liability of our directors will be further limited to the greatest extent permitted by the Delaware General Corporation Law.

In addition, our bylaws provide that we will indemnify, to the fullest extent permitted by law, any person who is or was a party or is threatened to be made a party to any action, suit or proceeding by reason of the fact that he or she is or was one of our directors or officers or is or was serving at our request as a director or officer of another corporation, partnership, joint venture, trust, or other enterprise. Our bylaws also provide that we may indemnify to the fullest extent permitted by law any person who is or was a party or is threatened to be made a

party to any action, suit, or proceeding by reason of the fact that he or she is or was one of our employees or agents or is or was serving at our request as an employee or agent of another corporation, partnership, joint venture, trust or other enterprise. Our bylaws provide that we must advance expenses incurred by or on behalf of a director or officer in advance of the final disposition of any action or proceeding, subject to very limited exceptions.

Further, we have entered into indemnification agreements with each of our directors and executive officers that may be broader than the specific indemnification provisions contained in the Delaware General Corporation Law. These indemnification agreements require us, among other things, to indemnify our directors and executive officers against liabilities that may arise by reason of their status or service. These indemnification agreements also require us to advance all expenses incurred by the directors and executive officers in investigating or defending any such action, suit or proceeding. We believe that these agreements are necessary to attract and retain qualified individuals to serve as directors and executive officers.

The limitation of liability and indemnification provisions that are included in our certificate of incorporation, bylaws and in indemnification agreements that we enter into with our directors and executive officers may discourage stockholders from bringing a lawsuit against our directors and executive officers for breach of their fiduciary duties. They may also reduce the likelihood of derivative litigation against our directors and executive officers, even though an action, if successful, might benefit us and other stockholders. Further, a stockholder's investment may be harmed to the extent that we pay the costs of settlement and damage awards against directors and executive officers as required by these indemnification provisions.

We have obtained insurance policies under which, subject to the limitations of the policies, coverage is provided to our directors and executive officers against loss arising from claims made by reason of breach of fiduciary duty or other wrongful acts as a director or executive officer, including, without limitation, claims relating to public securities matters, and to us with respect to payments that may be made by us to these directors and executive officers pursuant to our indemnification obligations or otherwise as a matter of law.

Certain of our non-employee directors may, through their relationships with their employers or affiliated entities, be insured and/or indemnified against certain liabilities incurred in their capacity as members of our board.

Insofar as indemnification for liabilities arising under the Securities Act may be permitted to directors, officers or persons controlling our company pursuant to the foregoing provisions, we have been informed that, in the opinion of the SEC, such indemnification is against public policy as expressed in the Securities Act and is therefore unenforceable.

Procedures for Approval of Related Party Transactions

Our audit committee charter provides that our audit committee has the primary responsibility for reviewing and approving or disapproving "related party transactions," which are transactions between us and related persons in which the aggregate amount involved exceeds or may be expected to exceed \$120,000 and in which a related person has or will have a direct or indirect material interest. For purposes of this policy, a related person is defined as a director, executive officer, nominee for director or greater than 5% beneficial owner of our common stock, in each case since the beginning of the most recently completed fiscal year, and their immediate family members.

ADDITIONAL INFORMATION

Our board knows of no other matters that will be presented for consideration at the Annual Meeting. If any other matters are properly brought before the Annual Meeting, the persons appointed in the accompanying proxy intend to vote the shares represented thereby in accordance with their best judgment on such matters, under applicable laws.

**UNITED STATES
SECURITIES AND EXCHANGE COMMISSION
Washington, D.C. 20549**

FORM 10-K

(Mark One)

ANNUAL REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the fiscal year ended January 31, 2019

or

TRANSITION REPORT PURSUANT TO SECTION 13 OR 15(d) OF THE SECURITIES EXCHANGE ACT OF 1934

For the transition period from _____ to
Commission File Number: **001-38044**

Okta, Inc.

(Exact name of Registrant as specified in its charter)

Delaware
(State or Other Jurisdiction of
Incorporation or Organization)

26-4175727
(I.R.S. Employer
Identification Number)

100 First Street, Suite 600
San Francisco, California 94105
(Address of Principal executive offices)

Registrant's telephone number, including area code: (888) 722-7871

Securities registered pursuant to Section 12(b) of the Act:

(Title of each class) (Name of each exchange on which registered)

Class A common stock, par value \$0.0001 per share

The NASDAQ Stock Market LLC

Securities registered pursuant to Section 12(g) of the Act: None

Indicate by check mark if the Registrant is a well-known seasoned issuer, as defined in Rule 405 of the Securities Act. Yes No

Indicate by check mark if the Registrant is not required to file reports pursuant to Section 13 or Section 15(d) of the Act. Yes No

Indicate by check mark whether the Registrant (1) has filed all reports required to be filed by Section 13 or 15(d) of the Securities Exchange Act of 1934 during the preceding 12 months (or for such shorter period that the Registrant was required to file such reports), and (2) has been subject to such filing requirements for the past 90 days. Yes No

Indicate by check mark whether the Registrant has submitted electronically every Interactive Data File required to be submitted pursuant to Rule 405 of Regulation S-T (§232.405 of this chapter) during the preceding 12 months (or for such shorter period that the Registrant was required to submit such files). Yes No

Indicate by check mark if disclosure of delinquent filers pursuant to Item 405 of Regulation S-K (§229.405 of this chapter) is not contained herein, and will not be contained, to the best of the Registrant's knowledge, in definitive proxy or information statements incorporated by reference in Part III of this Form 10-K or any amendment to this Form 10-K.

Indicate by check mark whether the Registrant is a large accelerated filer, an accelerated filer, a non-accelerated filer, smaller reporting company, or an emerging growth company. See the definitions of "large accelerated filer," "accelerated filer," "smaller reporting company," and "emerging growth company" in Rule 12b-2 of the Exchange Act.

Large accelerated filer

Accelerated filer

Non-accelerated filer

Smaller reporting company

Emerging growth company

If an emerging growth company, indicate by check mark if the Registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

Indicate by check mark whether the Registrant is a shell company (as defined in Rule 12b-2 of the Act). Yes No

The aggregate market value of the stock of the Registrant as of July 31, 2018 (based on a closing price of \$49.65 per share) held by non-affiliates was approximately \$4.7 billion. As of February 28, 2019, there were 101,267,377 shares of the Registrant's Class A Common Stock and 10,957,938 shares of the Registrant's Class B Common Stock outstanding.

DOCUMENTS INCORPORATED BY REFERENCE

Portions of the registrant's definitive Proxy Statement relating to the 2019 Annual Meeting of Stockholders are incorporated herein by reference in Part III of this Annual Report on Form 10-K to the extent stated herein. Such Proxy Statement will be filed with the Securities and Exchange Commission within 120 days of the registrant's fiscal year ended January 31, 2019.

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Okta, Inc.

Form 10-K

For the Fiscal Year Ended January 31, 2019

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Special Note Regarding Forward-Looking Statements

This Annual Report on Form 10-K contains forward-looking statements within the meaning of the “safe harbor” provisions of the Private Securities Litigation Reform Act of 1995, including but not limited to, statements regarding our financial outlook and market positioning. These forward-looking statements are made as of the date they were first issued and were based on current expectations, estimates, forecasts and projections as well as the beliefs and assumptions of management. Words such as “expect,” “anticipate,” “should,” “believe,” “hope,” “target,” “project,” “goals,” “estimate,” “potential,” “predict,” “may,” “will,” “might,” “could,” “intend,” “shall” and variations of these terms or the negative of these terms and similar expressions are intended to identify these forward-looking statements. The forward-looking statements are contained principally in “Management’s Discussion and Analysis of Financial Condition and Result of Operations” and “Risk Factors”.

Forward-looking statements contained in this Form 10-K include, but are not limited to, statements about:

- our future financial performance, including our revenue, costs of revenue, gross profit or gross margin and operating expenses;
- trends in our key business metrics;
- our growth strategy and ability to compete;
- the sufficiency of our cash and cash equivalents, investments and cash provided by sales of our products and services to meet our liquidity needs;
- market and other opportunities arising from business combinations;
- our ability to maintain the security and availability of our internal networks and platform;
- our ability to increase our number of customers;
- our ability to sell additional products to and retain our existing customers;
- our ability to successfully expand in our existing markets and into new markets;
- our ability to effectively manage our growth and future expenses;
- our ability to expand our network of channel partners;
- our ability to form and expand partnerships with independent software vendors and system integrators;
- our ability to introduce new products, enhance existing products and address new use cases;
- our ability to add new integration partners;
- our ability to grow our international business;
- our ability to maintain, protect and enhance our intellectual property;
- our ability to comply with modified or new laws and regulations applying to our business;
- the attraction and retention of qualified employees and key personnel;
- our anticipated investments in sales and marketing and research and development;
- our ability to comply with modified or new laws and regulations applying to our business, including GDPR (as defined below) and other privacy regulations that may be implemented in the future;
- the impact of recent accounting pronouncements on our financial statements; and
- our ability to successfully defend litigation brought against us.

Forward-looking statements are subject to a number of risks and uncertainties, many of which involve factors or circumstances that are beyond Okta’s control. Okta’s actual results could differ materially from those stated or implied in forward-looking statements due to a number of factors, including but not limited to, risks

detailed in “Risk Factors” in this Annual Report on Form 10-K as well as other documents that may be filed by the Company from time to time with the Securities and Exchange Commission. Moreover, we operate in a very competitive and rapidly changing environment. New risks emerge from time to time. It is not possible for our management to predict all risks, nor can we assess the impact of all factors on our business or the extent to which any factor, or combination of factors, may cause actual results to differ materially from those contained in any forward-looking statements we may make. In light of these risks, uncertainties and assumptions, the forward-looking events and circumstances discussed in this Annual Report on Form 10-K may not occur and actual results could differ materially and adversely from those anticipated or implied in the forward-looking statements.

You should not rely upon forward-looking statements as predictions of future events. Although we believe that the expectations reflected in the forward-looking statements are reasonable, we cannot guarantee that the future results, levels of activity, performance or events and circumstances reflected in the forward-looking statements will be achieved or occur. Moreover, except as required by law, neither we nor any other person assumes responsibility for the accuracy and completeness of the forward-looking statements. We undertake no obligation to update publicly any forward-looking statements for any reason after the date of this Annual Report on Form 10-K to conform these statements to actual results or to changes in our expectations.

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Part I

Item 1. Business

Overview

Okta is the leading independent identity management platform for the enterprise. Our vision is to enable any organization to use any technology, and we believe identity is the key to making that happen. The Okta Identity Cloud is our category-defining platform that enables our customers to securely connect people to technology, anywhere, anytime and from any device.

Identity has always been the key to establishing trust between users and technologies. We founded Okta in 2009 to reinvent identity for the cloud era, where identity is the critical foundation for connection and trust between users and technology. The Okta Identity Cloud helps organizations effectively harness the power of cloud, mobile and web technologies by securing users and connecting them with the applications they rely on.

Every day, millions of people use Okta to securely access a wide range of cloud, mobile and web applications, IT infrastructure providers and services from a multitude of devices. Employees and contractors sign into the Okta Identity Cloud to seamlessly and securely access the applications they need to do their most important work. Organizations use our platform to collaborate with their partners, and to provide their customers with more modern experiences online and via mobile devices. Developers leverage our platform to securely embed identity into their software. As we add new customers, users, developers and integrations to our platform, our business, customers, partners and users benefit from powerful network effects that increase the value and security of the Okta Identity Cloud.

Given the growth trends in the number of applications and cloud adoption, identity is quickly becoming the most critical layer of an organization's security. As organizations shift from network-based security models to a Zero Trust security model focusing on adaptive and context-aware controls, identity has become the most reliable way to manage user access and protect digital assets. Our approach to identity allows our customers to simplify and scale their IT and security infrastructures more efficiently as the number of users, devices, clouds and other technologies in their ecosystem grows.

We designed the Okta Identity Cloud to provide organizations an integrated approach to managing and securing all of their identities. Our platform allows our customers to easily provision their customers, employees, contractors, and partners, enabling any user to connect to any device, cloud or application, all with a simple, intuitive and consumer-like user experience.

The Okta Identity Cloud is an independent and neutral cloud-based identity platform that allows our customers to integrate with any prevalent application, service or cloud that they choose. We offer a complete and integrated identity stack that is built on a single code base, rather than a point solution that needs to be integrated with other identity products. In addition, we do not push our customers to particular vendors or a specific proprietary software stack. This independence and neutrality enables our customers to easily adopt the best technologies, and is designed to securely connect their users to the technology that they choose. We prioritize the compatibility of the Okta Identity Cloud with on-premise infrastructures and public, private and hybrid clouds. Our customers value our open approach, which enables them to future-proof their environments.

As of January 31, 2019, more than 6,100 customers across nearly every industry used the Okta Identity Cloud to secure and manage identities around the world. Our customers are comprised of leading global organizations ranging from the largest enterprises, to small and medium-sized businesses, universities, non-profits and government agencies. We partner with leading application and infrastructure vendors, such as Amazon Web Services, Box, Google Cloud, Microsoft, NetSuite, SailPoint, SAP, ServiceNow, VMware and Workday. We had over 6,000 integrations with cloud, mobile and web applications and IT infrastructure providers as of January 31, 2019, which while not directly correlated to revenue, shows the breadth and acceptance of our platform.

We employ a SaaS business model, and generate revenue primarily by selling multi-year subscriptions to our cloud-based offerings. We focus on acquiring and retaining our customers and increasing their spending with us through expanding the number of users who access our platform and up-selling additional products. We sell our products directly through our field and inside sales teams, as well as indirectly through our network of channel partners, including resellers, independent software vendors, or ISVs, system integrators and other distribution partners.

The Okta Identity Cloud

The Okta Identity Cloud is a secure, reliable and scalable platform that provides comprehensive identity management, enabling our customers to secure their users and connect them to technology and applications, anywhere, anytime and from any device. Our customers use the platform to secure their workforces, to create solutions that make their partner networks more collaborative, and to provide more seamless and secure experiences for their customers.

The Okta Identity Cloud can be used as the central system for an organization's connectivity, access, authentication and identity lifecycle management needs spanning all of its users, technology and applications.

We enable our customers to easily deploy, manage and secure applications and devices, and to provision and support users across their IT environments, with a simple, intuitive, consumer-like user experience. Developers are similarly able to leverage a robust set of tools to quickly build custom cloud, mobile and web application experiences that leverage the Okta Identity Cloud as the underlying identity platform. Once deployed, we enable administrators to enforce contextual access management decisions based on conditions such as user identity, device, location, application identity, IP reputation and time of day.

The Okta Identity Cloud is used by organizations in two distinct and powerful ways. It is used to manage and secure their employees, contractors and partners, which we refer to as workforce identity. It is also used to manage and secure the identities of an organization's own customers via the powerful APIs we have developed, which we refer to as customer identity.

The Okta Identity Cloud for Workforce Identity

In workforce identity use cases, the Okta Identity Cloud simplifies the way an organization's employees, contractors and partners connect to its applications and data from any device, while increasing efficiency and keeping IT environments secure. We enable organizations to provide their workforces with immediate and secure access to every application they need from any device they use, without requiring multiple credentials, which significantly enhances user connectivity and productivity. We offer our customers an additional security layer through our Adaptive Multi-Factor Authentication product. As our customers' assets continue to migrate outside of the firewall, we believe this product is one of the simplest yet most effective ways to secure users and data. Our Universal Directory and Lifecycle Management products also serve as a system of record to help our customers organize, customize and manage their users and their access privileges throughout the users' entire lifecycles. This includes managing all requests and approvals and automating account and device provisioning and de-provisioning seamlessly across directories, applications and devices. The Okta Identity Cloud enables our customers to automate access across their growing ecosystem of employees, contractors and partners, increasing collaboration across their workforces.

The Okta Identity Cloud for Customer Identity

In customer identity use cases, the Okta Identity Cloud enables organizations to transform their own customers' experiences by empowering development teams to rapidly and securely build customer-facing cloud, mobile or web applications. Managing identity-centric connectivity for an organization's customers in this way is a relatively new use case. We enable an organization's product team to layer our powerful identity platform into their cloud, web and mobile applications through our APIs. This makes it easier for them to authenticate, manage

and secure their connections, enabling rapid product innovation for the business. Organizations are able to centrally manage policy and API-level access across their development efforts, leading to more seamless customer experiences that are personalized, engaging and secure.

Growth Strategy

Key elements of our growth strategy are to:

Execute with Our Existing Platform

- ***Drive New Customer Growth.*** To increase our market share, we intend to continue to grow our customer base using a land-and-expand sales model, with a focus on key market segments by size of customers, as well as key verticals, including highly-regulated sectors.
- ***Deepen Relationships Within Our Existing Customer Base.*** We plan to further increase revenue from our existing customers by cross-selling and up-selling additional and new products. We also believe we can expand our footprint by focusing on current customers that have deployed the Okta Identity Cloud for workforce identity, and expanding those customers' use of our platform for customer identity, or vice versa.
- ***Expand Our Integrations.*** The Okta Integration Network is an extensive partner ecosystem, which includes over 6,000 integrations with cloud, mobile and web applications and IT infrastructure providers. We plan to continue these partnerships as well as add new integration partners to enrich our user experience and expand our customer base. We view our investment in partnerships as a force multiplier that enables us to build and promote complementary capabilities that benefit our customers.
- ***Expand Our Channel Partner Ecosystem.*** We also plan to expand our indirect sales network to leverage the sales efforts of additional resellers, ISVs, system integrators and other distribution partners, and to increase the contribution we receive from these channel partners.
- ***Expand Our International Footprint.*** With 16% of our revenue generated outside of the United States in fiscal 2019, up from 15% in fiscal 2018, we believe there is significant opportunity to grow our international business. We believe global demand for our products will continue to be a long-term growth driver as organizations outside the United States fully embrace the transition to cloud computing, and larger international organizations take advantage of technology consolidation within their global locations.

Increase Our Opportunities

- ***Innovate and Advance Our Platform with New Products.*** We intend to continue making significant investments in research and development, hiring top technical talent and maintaining an agile organization. By continuing to innovate, we believe that we can introduce new products and offer increasing value to existing and potential customers.
- ***Extend Our Accessible Market with New Use Cases.*** As technology and our customers' markets evolve, we plan to use our platform to help our customers address new challenges, regulatory requirements and use cases as they develop.
- ***Leverage Our Unique Data Assets with Powerful Analytics.*** Our position at the intersection of people, devices, applications and infrastructure gives us unique access to powerful data, and the opportunity to provide differentiated insights based on that data. We expect the value of our analytics to our customer base will increase as customers continue to connect more devices, applications and users to their networks and as we add more customers. We do not currently derive direct revenue from our unique data assets, but we may explore opportunities for monetization in the future.

Our Products

The Okta Identity Cloud consists of a suite of products to manage and secure identities. Products used for workforce identity are consumed through web and mobile interfaces, and provide simple ways for IT organizations to manage identities for their employees, contractors and partners. For customer identity, our APIs are also used by developers to embed Okta identity functionality into their own customer-facing mobile or web applications. We continuously improve the Okta Identity Cloud through the release and development of additional products and features, with weekly updates.

- **Universal Directory.** Universal Directory provides a centralized, cloud-based system of record to store and secure user, application and device profiles for an organization. Users and profiles stored in the directory can be used with our Single Sign-On product to manage passwords and authentication, or can be used by developers to store and authenticate the users of their applications. When fully utilized to manage and secure identities for a customer's workforce, Universal Directory becomes a customer's system of record for all of its employees, contractors and partners.
- **Single Sign-On.** When used to manage and secure identities for a customer's workforce, Single Sign-On enables users to access all of their applications, whether in the cloud or on-premise, from any device, with a single entry of their user credentials. We combine secure access, modern protocols, flexible policies and a consumer-like user experience to permit organizations to easily allow customers or partners to sign in to their applications with their existing identity information. Single Sign-On also enables built-in reporting and analytics that provide real-time search functionalities across users, devices, applications and the associated access and usage activity.
- **Adaptive Multi-Factor Authentication.** Adaptive Multi-Factor Authentication is a comprehensive, but simple-to-use, product that provides an additional layer of security for an organization's cloud, mobile and web applications and data. We offer an intelligent approach to security, built on contextual data. Adaptive Multi-Factor Authentication includes a policy framework that is integrated with a broad set of cloud and on-premise applications and network infrastructures. It offers adaptive, risk-based authentication that leverages data intelligence from across the Okta network of thousands of organizations.
- **Lifecycle Management.** Lifecycle Management enables IT organizations or developers to manage a user's identity throughout its entire lifecycle. It automates IT processes and ensures user accounts are created and deactivated at the appropriate times, including the workflow and policies needed to power those processes. With Okta Lifecycle Management, organizations can securely manage the entire identity lifecycle, from on-boarding to off-boarding, and ensure compliance requirements are met as user roles evolve and access levels change.
- **API Access Management.** API Access Management enables organizations to secure APIs as systems connect to each other. Access to these APIs is managed based on the user, which enables organizations to centrally maintain one set of permissions for any employee, partner or customer across every point of access. API Access Management reduces development time, boosts security and enables seamless end-user experiences by providing a unified portable service for authorizing secure and always available access to any API.

By focusing on identity, the one constant in an ever-changing technology and threat landscape, the Okta Identity Cloud provides our customers with a solution to solve their IT and security challenges, and facilitates their adoption of a Zero Trust security model.

Our Technology

We focus on engineering an intuitive, but comprehensive, platform to solve complex problems. Our pure cloud architecture is multi-tenant, encrypted and third-party validated. Our service also allows us to integrate into our customers' on-premise components and hybrid configurations.

Okta Integration Network

The Okta Integration Network contains over 6,000 integrations with cloud, mobile and web applications and IT infrastructure providers, including Amazon Web Services, Atlassian, Box, Cisco, Citrix, F5 Networks, Google Cloud, Microsoft, NetSuite, Palo Alto Networks, SailPoint, Salesforce, SAP, ServiceNow, Slack, Splunk, VMware, Workday and Zoom. At the core of the Okta Integration Network is a patented technology that allows our customers to seamlessly connect to any application or type of device that is already integrated into our network.

One Platform with Differentiated Administration, User and Developer Experience

The Okta Identity Cloud is built on one common platform and user interface framework, offering administrators and users a consistent, easy-to-use, consumer-like experience across our products. Our technology integrates with industry-leading browsers and mobile applications to provide seamless access to nearly any web or native mobile application. We also heavily leverage operating system management and security technologies across desktops, laptops and mobile devices to provide a transparent, but secure experience for users across a range of devices. These integrations allow us to seamlessly deliver connectivity use cases that previously required significant custom development to achieve.

Robust Security

Security is a mission-critical issue for Okta and for our customers. Our approach to security spans day-to-day operational practices to the design and development of our software to how customer data is segmented and secured within our multi-tenant platform. We ensure that access to our platform is securely delegated across an organization. Our source code is updated weekly, and there are audited and verifiable security checkpoints to ensure source code fidelity and continuous security review. We have attained SOC 2 Type II, CSA Star Level 2 Attestation, ISO/IEC 27001:2013, ISO/IEC 27018:2014 and HIPAA certifications and multiple agency FedRAMP Moderate Authorities to Operate. We also support FIPS 140-2 validated encryption in our Okta Verify MFA product.

Scalability and Uptime

Our technical operations and engineering teams are designed around the concept of an always-on, highly redundant and available platform that we can upgrade without customer disruption. Our products and architecture were built entirely in and for the cloud with availability and scalability at the center of the design, and were built to be agnostic with respect to the underlying infrastructure. Our maintenance windows do not require any downtime.

Our proprietary cell architecture includes redundant, active-active availability zones with cross-continental disaster recovery centers, real-time database replication and geo-distributed storage. If one of our systems goes down, another is quickly promoted. Our architecture is designed to scale both vertically by increasing the size of the application tiers and horizontally by adding new geo-distributed cells.

Our platform is monitored not only at the infrastructure level but also at the application and third-party integration level. Synthetic transaction monitoring allows our technical operations team to detect and resolve issues proactively.

Our Customers

As of January 31, 2019, we had over 6,100 customers on our platform. Our customers span nearly all industry verticals and range from small organizations with fewer than 100 employees to companies in the Fortune 100, with up to hundreds of thousands of employees, some of which use the Okta Identity Cloud to manage millions of their customers' identities.

Sales and Marketing

Sales

We sell directly to customers through our inside and field sales force and also indirectly through our extensive ecosystem of channel partners. Once a sale is made, we leverage our land-and-expand sales model to generate incremental revenue, often within the term of the initial agreement, through the addition of new users and the sale of additional products. In many instances, we find that initial customer success with our platform results in key internal decision makers expanding their deployments, for example, from initial use for workforce identity to expanded use for their customer identity needs. Furthermore, as our customers are successful in their businesses and increase headcount or the number of their customers, we share in their growth as the number of identities that we manage increases.

Our sales organization is structured to address the specific needs of each segment of our target market. Our sales team is divided by geography, customer size and industry vertical. Our direct sales force is supported by our sales engineers, security team, cloud architects, professional services team and other technical resources.

We benefit from an expansive partner ecosystem that helps drive additional sales. Nearly all of the leading cloud application providers are our partners, and many of them drive further customer acquisition for us through co-selling arrangements, building our offerings directly into their products, and product demonstrations running on the Okta Identity Cloud. We also partner with several of the large technology companies that are driving the movement to the cloud. In addition to these technology partners, we leverage our channel partners, including system integrators, traditional VARs and Government VARs, to broaden the range of customers we reach.

Marketing

Our most valuable marketing features our customers and their successes, and is informed by a deeply data-driven approach, giving us insights into the efficacy of our efforts. Our marketing efforts focus on promoting our industry-leading identity platform, establishing our brand, generating awareness, creating sales leads and cultivating the Okta Community.

A centerpiece of our marketing strategy is our annual customer conference, Oktane, that features customers sharing their success stories, new product and feature announcements and hands-on product labs.

Research and Development

Our research and development organization is responsible for the design, architecture, creation and the quality of the Okta Identity Cloud. The research and development organization also works closely with our technical operations team to ensure the successful deployment and monitoring of our platform. We utilize test automation and application monitoring to ensure the Okta Identity Cloud is always-on.

Customer Support and Professional Services

Our products are designed for ease of use and fast deployments. As part of our customer first strategy, we are focused on customer success and offer several programs to help our customers maximize their success with our products. These programs leverage the expertise and best practices that we have built while helping thousands of Okta customers to adopt and deploy our products.

Customer Support and Training Services

We offer three tiers of support, each of which builds upon the previous tier. We provide live webinars as well as on-demand instructional videos to provide our customers with information about product features, functionality and our most common customer use cases.

Professional Services

Our professional services team provides assistance to customers in the deployment of the Okta Identity Cloud and includes identity and security experts, customized deployment plans and SmartStart, which provides a quick path to implementation.

Okta Community

We have created the Okta Community, an online community available to all of our customers that enables them to connect with other customers and partners to ask questions and find answers.

Intellectual Property

We protect our intellectual property through a combination of trademarks, domain names, copyrights, trade secrets and patents, as well as contractual provisions and restrictions on access to our proprietary technology.

As of January 31, 2019, we had thirteen issued patents in the United States, which expire between 2030 and 2036 and cover various aspects of our products. In addition, as of such date, we also had three issued patents in Australia, which expire between 2033 and 2035, and two issued patents in New Zealand expiring in 2034 and 2035.

We have registered “Okta” as a trademark in the United States, the European Community, Australia, Canada and Japan. We also have filed other trademark applications in the United States and certain other jurisdictions.

We are the registered holder of a variety of domestic and international domain names that include “Okta” and similar variations.

In addition to the protection provided by our intellectual property rights, we enter into confidentiality and proprietary rights or similar agreements with our employees, consultants and contractors. Our employees, consultants and contractors are also subject to invention assignment agreements. We further control the use of our proprietary technology and intellectual property through provisions in both general and product-specific terms of use.

Additional information regarding certain risks related to our intellectual property is included in Part I, Item 1A “Risk Factors” of this Annual Report on Form 10-K.

Our Competitors

Our competitors in the workforce identity market include:

- Authentication providers, such as Computer Associates (a subsidiary of Broadcom), Duo Security (a division of Cisco Systems), IBM, Microsoft, Oracle and SailPoint;
- Lifecycle Management providers, such as Computer Associates (a subsidiary of Broadcom), IBM, Microsoft and Oracle; and
- Multi-factor Authentication providers, such as Duo Security (a division of Cisco Systems), Microsoft, RSA (a division of Dell Technologies) and Symantec.

Our competitors in the customer identity market include:

- Internally developed systems;
- Infrastructure-as-a-service providers, such as Amazon Web Services, Google Cloud Platform and Microsoft; and
- Dedicated customer identity and access management vendors, such as Gigya (a division of SAP) and Janrain (a division of Akamai Technologies).

We also compete with private companies that offer point products that address certain of the problems that our platform solves for both workforce identity and customer identity.

Due to the flexibility and breadth of our platform, we can and often do co-exist alongside our competitors' products within our customer base.

The principal competitive factors in our markets include flexibility, independence, product capabilities, total cost of ownership, time to value, scalability, user experience, number of pre-built integrations, customer satisfaction, global reach and ease of integration, management and use. We believe our product strategy, technology and company culture allow us to compete favorably on each of these factors.

We expect competition to increase as other established and emerging companies enter our markets, as customer requirements evolve, and as new products and technologies are introduced. We expect this to be particularly true as we are a cloud-based offering, and our competitors may also seek to acquire new offerings or repurpose their existing offerings to provide identity management solutions with subscription models.

With the continuing merger and acquisition activity in the technology industry, particularly transactions involving security or identity and access management technologies, there is a greater likelihood that we will compete with other large technology companies in the future in both the workforce identity and customer identity markets. Many of our competitors, particularly the large technology companies named above, have substantial competitive advantages such as significantly greater financial, technical, sales and marketing, distribution, customer support or other resources, longer operating histories, greater resources to make strategic acquisitions and greater name recognition than we do. However, we believe that our platform architecture, position as an independent provider of identity solutions and focus on innovation enable us to respond more quickly to new or emerging technologies and changes in customer requirements than our larger competitors that primarily focus on other market segments and tie their identity solutions to their other proprietary products.

Additional information regarding our competition is included in Part I, Item 1A "Risk Factors" of this Annual Report on Form 10-K.

Okta for Good

Okta for Good's mission is to mobilize our technology and people to enable non-profit organizations to achieve their missions faster. Through Okta for Good, which is a part of our company and not a separate legal entity, we also donate and discount access to our service for non-profit organizations, who use the Okta Identity Cloud to make their teams more efficient, allowing them to focus on making a meaningful impact in the world. Our employee volunteer program enables global team members to donate time to support charitable organizations worldwide.

In addition, prior to our initial public offering, we reserved 300,000 shares of our common stock to fund and support the operations of Okta for Good.

Employees

As of January 31, 2019, we had 1,561 employees, including 219 employees located outside of the United States. To our knowledge, none of our employees is represented by a labor union or covered by a collective bargaining agreement. We have not experienced any work stoppages, and we consider our relations with our employees to be good.

Financial Information

The financial information required under this Item 1 is incorporated herein by reference to the section of this Annual Report titled "Part II-Item 8-Financial Statements and Supplementary Data." For financial information regarding our business, see "Part II-Item 7-Management's Discussion and Analysis of Financial Condition and Results of Operations" of this Annual Report and our consolidated audited financial statements and related notes included elsewhere in this Annual Report.

Corporate Information

We were incorporated in 2009 as Saasure Inc., a California corporation, and were later reincorporated in 2010 under the name Okta, Inc. as a Delaware corporation. Our principal executive offices are located at 100 First Street, Suite 600, San Francisco, California 94105, and our telephone number is (888) 722-7871. Our website address is www.okta.com. Information contained on, or that can be accessed through, our website does not constitute part of this Annual Report on Form 10-K.

Additional Information

The following filings are available through our investor relations website after we file them with the Securities and Exchange Commission (“SEC”): Annual Report on Form 10-K, Quarterly Reports on Form 10-Q and our Proxy Statement for our annual meeting of stockholders. These filings are also available for download free of charge on our investor relations website. Our investor relations website is located at investor.okta.com. The SEC also maintains an Internet website that contains reports, proxy statements and other information about issuers, like us, that file electronically with the SEC. The address of that website is www.sec.gov.

We webcast our earnings calls and certain events we participate in or host with members of the investment community on our investor relations website. Additionally, we provide notifications of news or announcements regarding our financial performance, including SEC filings, investor events, press and earnings releases, and blogs as part of our investor relations website. Further corporate governance information, including our corporate governance guidelines and code of conduct, is also available on our investor relations website under the heading “Corporate Governance.” The contents of our websites are not intended to be incorporated by reference into this Annual Report on Form 10-K or in any other report or document we file with the SEC, and any references to our websites are intended to be inactive textual references only.

Item 1A. Risk Factors

A description of the risks and uncertainties associated with our business is set forth below. You should carefully consider the risks and uncertainties described below, as well as the other information in this Annual Report on Form 10-K, including our consolidated financial statements and the related notes and “Management’s Discussion and Analysis of Financial Condition and Results of Operations.” The occurrence of any of the events or developments described below, or of additional risks and uncertainties not presently known to us or that we currently deem immaterial, could materially and adversely affect our business, results of operations, financial condition and growth prospects. In such an event, the market price of our Class A common stock could decline and you could lose all or part of your investment.

Risks Related to Our Business

We have a limited operating history, which makes it difficult to forecast our revenue and evaluate our business and future prospects.

We have been in existence since 2009, and much of our growth has occurred in recent periods. As a result of our limited operating history, our ability to forecast our future results of operations and plan for and model future growth is limited and subject to a number of uncertainties. We have encountered and will continue to encounter risks and uncertainties frequently experienced by growing companies in rapidly changing industries, such as the risks and uncertainties described herein. Additionally, the sales cycle for the evaluation and implementation of our platform, which typically extends for multiple months for enterprise deals, may also cause us to experience a delay between increasing operating expenses and the generation of corresponding revenue, if any. Accordingly, we may be unable to prepare accurate internal financial forecasts or replace anticipated revenue that we do not receive as a result of delays arising from these factors, and our results of operations in future reporting periods may be below the expectations of investors. If we do not address these risks successfully, our results of operations could differ materially from our estimates and forecasts or the expectations of investors, causing our business to suffer and our stock price to decline.

We have experienced rapid growth in recent periods, and our recent growth rates may not be indicative of our future growth. As our costs increase, we may not be able to generate sufficient revenue to achieve and, if achieved, maintain profitability.

From fiscal 2017 to fiscal 2018, our revenue grew from \$160.8 million to \$256.5 million, an increase of 60%, and from fiscal 2018 to fiscal 2019, our revenue grew from \$256.5 million to \$399.3 million, an increase of 56%. In future periods, we may not be able to sustain revenue growth consistent with recent history, or at all. We believe our revenue growth depends on a number of factors, including, but not limited to, our ability to:

- price our platform effectively so that we are able to attract and retain customers without compromising our profitability;
- attract new customers, successfully deploy and implement our platform, upsell or otherwise increase our existing customers’ use of our platform, obtain customer renewals and provide our customers with excellent customer support;
- increase our network of channel partners, which include resellers, independent software vendors, or ISVs, system integrators and other distribution partners;
- adequately expand our sales force, and maintain or increase our sales force’s productivity;
- successfully identify and enter into agreements with suitable acquisition targets, integrate any acquisitions and integrate acquired technologies into our existing products or use them to develop new products;

- successfully introduce new products, enhance existing products and address new use cases;
- introduce our platform to new markets outside of the United States;
- successfully compete against larger companies and new market entrants; and
- increase awareness of our brand on a global basis.

If we are unable to accomplish any of these tasks, our revenue growth will be harmed. We also expect our operating expenses to increase in future periods, and if our revenue growth does not increase to offset these anticipated increases in our operating expenses, our business, financial position and results of operations will be harmed, and we may not be able to achieve or maintain profitability.

We have a history of losses, and we expect to incur losses for the foreseeable future.

We have incurred significant net losses in each year since our inception, including net losses of \$75.1 million, \$109.8 million and \$125.5 million in fiscal 2017, 2018 and 2019, respectively. We expect to continue to incur net losses for the foreseeable future. Because the market for our platform is rapidly evolving and has not yet reached widespread adoption, it is difficult for us to predict our future results of operations. We expect our operating expenses to significantly increase over the next several years as we hire additional personnel, particularly in sales and marketing, expand and improve the effectiveness of our distribution channels, expand our operations and infrastructure, both domestically and internationally, pursue business combinations and continue to develop our platform. As we continue to develop as a public company, we may incur additional legal, accounting and other expenses that we did not incur historically. If our revenue does not increase to offset these increases in our operating expenses, we will not be profitable in future periods. While historically, our total revenue has grown, not all components of our total revenue have grown consistently. Further, in future periods, our revenue growth could slow or our revenue could decline for a number of reasons, including slowing demand for our software, increasing competition, any failure to gain or retain channel partners, a decrease in the growth of our overall market, or our failure, for any reason, to continue to capitalize on growth opportunities. As a result, our past financial performance should not be considered indicative of our future performance. Any failure by us to achieve or sustain profitability on a consistent basis could cause the value of our common stock to decline.

If we fail to manage our growth effectively, we may be unable to execute our business plan, maintain high levels of service and customer satisfaction or adequately address competitive challenges.

We have experienced, and may continue to experience, rapid growth and organizational change, which has placed, and may continue to place, significant demands on our management and our operational and financial resources. For example, our headcount has grown from 1,176 employees as of January 31, 2018 to 1,561 employees as of January 31, 2019. We have also experienced significant growth in the number of customers, users and logins and in the amount of data that our Software-as-a-Service, or SaaS, infrastructure supports. Finally, our organizational structure is becoming more complex as we improve our operational, financial and management controls as well as our reporting systems and procedures. We will require significant capital expenditures and the allocation of valuable management resources to grow and change in these areas without undermining our culture of rapid innovation, teamwork and attention to customer success, which has been central to our growth so far. If we fail to manage our anticipated growth and change in a manner that preserves the key aspects of our corporate culture, the quality of our platform may suffer, which could negatively affect our brand and reputation and harm our ability to retain and attract customers and employees.

We have established international offices, including offices in the United Kingdom, the Netherlands, Sweden, France, Canada and Australia and we may continue to expand our international operations into other countries in the future. Our expansion has placed, and our expected future growth will continue to place, a significant strain on our managerial, customer operations, research and development, marketing and sales, administrative, financial and other resources. If we are unable to manage our continued growth successfully, our business and results of operations could suffer.

In addition, as we expand our business, it is important that we continue to maintain a high level of customer service and satisfaction. As our customer base continues to grow, we will need to expand our account management, customer service and other personnel, and our network of ISVs, system integrators and other channel partners, to provide personalized account management and customer service. If we are not able to continue to provide high levels of customer service, our reputation, as well as our business, results of operations and financial condition, could be harmed.

We face intense competition, especially from larger, well-established companies, and we may lack sufficient financial or other resources to maintain or improve our competitive position.

The market for identity solutions is intensely competitive, and we expect competition to increase in the future from established competitors and new market entrants. For products that organizations can use to manage identities for their workforce (employees, contractors and partners), which we refer to as workforce identity, our competitors include authentication, lifecycle management and multi-factor authentication providers, many of which are large companies such as Computer Associates (a subsidiary of Broadcom), IBM, Microsoft, Oracle, RSA (a division of Dell Technologies), Duo Security (a division of Cisco Systems), SailPoint and Symantec and other companies that have acquired identity management solution providers in recent years. For products that organizations can use to manage and secure their customers' identities, which we refer to as customer identity, we generally compete with internally developed systems, infrastructure-as-a-service providers, such as Amazon Web Services (AWS), Google Cloud Platform and Microsoft, and dedicated customer identity and access management vendors, such as Gigya (a division of SAP) and Janrain (a division of Akamai Technologies). We also compete with private companies that offer point products that address certain of the problems that our platform solves for both workforce identity and customer identity. With the continuing merger and acquisition activity in the technology industry, particularly transactions involving security or identity and access management technologies, there is a greater likelihood that we will compete with other large technology companies in the future in both the workforce identity and customer identity markets. Many of our existing competitors have, and some of our potential competitors could have, substantial competitive advantages such as significantly greater financial, technical, sales and marketing, distribution, customer support or other resources, longer operating histories, greater resources to make strategic acquisitions and greater name recognition than we do.

In addition, some of our larger competitors have substantially broader product offerings and leverage their relationships based on other products or incorporate functionality into existing products to gain business in a manner that discourages users from purchasing our products, including through selling at zero or negative margins, product bundling or closed technology platforms. Potential customers may also prefer to purchase from their existing suppliers rather than a new supplier regardless of product performance or features. These larger competitors often have broader product lines and market focus and will therefore not be as susceptible to downturns in a particular market. Our competitors may also seek to acquire new offerings or repurpose their existing offerings to provide identity solutions with subscription models. Conditions in our market could change rapidly and significantly as a result of technological advancements, partnering by our competitors or continuing market consolidation. New start-up companies that innovate and large competitors that are making significant investments in research and development may invent similar or superior products and technologies that compete with our products. In addition, some of our competitors may enter into new alliances with each other or may establish or strengthen cooperative relationships with systems integrators, third-party consulting firms or other parties. Any such consolidation, acquisition, alliance or cooperative relationship could lead to pricing pressure and our loss of market share and could result in a competitor with greater financial, technical, marketing, service and other resources, all of which could harm our ability to compete. Furthermore, organizations may be more willing to incrementally add solutions to their existing infrastructure from competitors than to replace their existing infrastructure with our products. These competitive pressures in our market or our failure to compete effectively may result in price reductions, fewer orders, reduced revenue and gross margins, increased net losses, and loss of market share. Any failure to meet and address these factors could harm our business, results of operations and financial condition.

If we are unable to attract new customers, sell additional products to our existing customers or develop new products and enhancements to our products that achieve market acceptance, our revenue growth and profitability will be harmed.

To increase our revenue and achieve and maintain profitability, we must add new customers or sell additional products to our existing customers. Numerous factors, however, may impede our ability to add new customers and sell additional products to our existing customers, including our inability to convert new organizations into paying customers, failure to attract and effectively train new sales and marketing personnel, failure to retain and motivate our current sales and marketing personnel, failure to develop or expand relationships with channel partners, failure to successfully deploy products for new customers and provide quality customer support once deployed or failure to ensure the effectiveness of our marketing programs. In addition, if prospective customers do not perceive our platform to be of sufficiently high value and quality, we will not be able to attract the number and types of new customers that we are seeking.

In addition, our ability to attract new customers and increase revenue from existing customers depends in large part on our ability to enhance and improve our existing products and to introduce compelling new products that reflect the changing nature of our markets. The success of any enhancement to our products depends on several factors, including timely completion and delivery, competitive pricing, adequate quality testing, integration with existing technologies and our platform and overall market acceptance. If we are unable to successfully develop new products, enhance our existing products to meet customer requirements, or otherwise gain market acceptance, our business, results of operations and financial condition would be harmed.

Further, to grow our business, we must convince developers to adopt and build their applications using our APIs and products. We believe that these developer-built applications facilitate greater usage and customization of our products. If these developers stop developing on or supporting our platform, we will lose the benefit of network effects that have contributed to the growth in our number of customers, and our business (including the performance levels of our products), results of operations and financial condition could be harmed.

Our business depends on our customers renewing their subscriptions and purchasing additional licenses or subscriptions from us. Any material decline in our Dollar-Based Retention Rate would harm our future results of operations.

To continue to grow our business, it is important that our customers renew their subscriptions when existing contract terms expire and that we expand our commercial relationships with our existing customers. Our customers have no obligation to renew their subscriptions, and our customers may decide not to renew their subscriptions with a similar contract period, at the same prices and terms or with the same or a greater number of users. We have experienced significant growth in the number of users of our platform, but we do not know whether we will continue to achieve similar user growth rates in the future. In the past, some of our customers have elected not to renew their agreements with us, and it is difficult to accurately predict long-term customer retention and expansion rates. Our customer retention and expansion may decline or fluctuate as a result of a number of factors, including our customers' satisfaction with our products, our product support, our prices and pricing plans, the prices of competing software products, reductions in our customers' spending levels, user adoption of our platform, deployment success, utilization rates by our customers, new product releases and changes to the packaging of our product offerings. If our customers do not purchase additional subscriptions or renew their subscriptions, renew on less favorable terms or fail to add more users, our revenue may decline or grow less quickly than anticipated, which would harm our future results of operations. Furthermore, if our contractual license terms were to shorten it could lead to increased volatility of, and diminished visibility into, future recurring revenue. If our sales of new or recurring subscriptions and software-related support service contracts decline from existing customers, our revenue and revenue growth may decline, and our business will suffer.

If there are interruptions or performance problems associated with our technology or infrastructure, our existing customers may experience service outages, and our new customers may experience delays in the deployment of our platform.

Our continued growth depends, in part, on the ability of our existing and potential customers to access our platform 24 hours a day, seven days a week, without interruption or degradation of performance. We may experience disruptions, data loss, outages and other performance problems with our infrastructure due to a variety of factors, including infrastructure changes, introductions of new functionality, human or software errors, capacity constraints, denial-of-service attacks or other security-related incidents. In some instances, we may not be able to identify the cause or causes of these performance problems immediately or in short order. We may not be able to maintain the level of service uptime and performance required by our customers, especially during peak usage times and as our products become more complex and our user traffic increases. For example, in October 2016, a distributed denial-of-service attack against Dyn, a domain name service vendor we use (since acquired by Oracle), prevented many of our customers and their users in the United States from accessing our platform or applications authenticated by our platform and resulted in our failing to meet certain contracted uptime levels under our service level agreements and the issuance of service credits to some of our customers, although the dollar value of such credits were not material. If our platform is unavailable or if our customers are unable to access our products or deploy them within a reasonable amount of time, or at all, our business would be harmed. Since our customers rely on our service to access and complete their work, any outage on our platform would impair the ability of our customers to perform their work, which would negatively impact our brand, reputation and customer satisfaction. Moreover, we depend on services from various third parties to maintain our infrastructure and distribute our products via the Internet. If a service provider fails to provide sufficient capacity to support our platform or otherwise experiences service outages, such failure could interrupt our customers' access to our service, which could adversely affect their perception of our platform's reliability and our revenues. Any disruptions in these services, including as a result of actions outside of our control, would significantly impact the continued performance of our products. In the future, these services may not be available to us on commercially reasonable terms, or at all. Any loss of the right to use any of these services could result in decreased functionality of our products until equivalent technology is either developed by us or, if available from another provider, is identified, obtained and integrated into our infrastructure. If we do not accurately predict our infrastructure capacity requirements, our customers could experience service shortfalls. We may also be unable to effectively address capacity constraints, upgrade our systems as needed, and continually develop our technology and network architecture to accommodate actual and anticipated changes in technology.

Any of the above circumstances or events may harm our reputation, cause customers to terminate their agreements with us, impair our ability to obtain subscription renewals from existing customers, impair our ability to grow our customer base, result in the expenditure of significant financial, technical and engineering resources, subject us to financial penalties and liabilities under our service level agreements, and otherwise harm our business, results of operations and financial condition.

An application, data security or network incident may allow unauthorized access to our systems or data or our customers' data, disable access to our service, harm our reputation, create additional liability and adversely impact our financial results.

Increasingly, companies are subject to a wide variety of attacks on their systems and networks on an ongoing basis. In addition to threats from traditional computer "hackers," malicious code (such as malware, viruses, worms and ransomware), employee theft or misuse, password spraying, phishing and denial-of-service attacks, we and our third-party service providers now also face threats from sophisticated nation-state and nation-state supported actors who engage in attacks (including advanced persistent threat intrusions) that add to the risks to our systems (including those hosted on AWS or other cloud services), internal networks, our customers' systems and the information that they store and process. Despite significant efforts to create security barriers to such threats, it is virtually impossible for us to entirely mitigate these risks. As a well-known provider of identity and security solutions, we pose an attractive target for such attacks. The security measures we have integrated into our internal systems and platform, which are designed to detect unauthorized activity and prevent or

minimize security breaches, may not function as expected or may not be sufficient to protect our internal networks and platform against certain attacks. In addition, techniques used to sabotage or to obtain unauthorized access to networks in which data is stored or through which data is transmitted change frequently, become more complex over time and generally are not recognized until launched against a target. As a result, we and our third-party service providers may be unable to anticipate these techniques or implement adequate preventative measures quickly enough to prevent either an electronic intrusion into our systems or services or a compromise of customer data.

Our customers' use of Okta to access business systems and store data concerning, among others, their employees, contractors, partners and customers is essential to their use of our platform, which stores, transmits and processes customers' proprietary information and personal data. If a breach of customer data on our platform were to occur, as a result of third-party action, technology limitations, employee error, malfeasance or otherwise, and the confidentiality, integrity or availability of our customers' data or systems was disrupted, we could incur significant liability to our customers and to individuals or businesses whose information was being stored by our customers, and our platform may be perceived as less desirable, which could negatively affect our business and damage our reputation. Because techniques used to obtain unauthorized access to, or to sabotage, systems change frequently and generally are not recognized until launched against a target, we, our third-party service providers and our customers may be unable to anticipate these techniques or to implement adequate preventive measures in time to prevent compromise, or at all. Further, because we do not control our third-party service providers, or the processing of data by our third-party service providers, we cannot ensure the integrity or security of measures they take to protect customer information and prevent data loss.

In addition, security breaches impacting our platform could result in a risk of loss or unauthorized disclosure of this information, or the denial of access to this information, which, in turn, could lead to enforcement actions, litigation, regulatory or governmental audits, investigations and possible liability, and increased requests by individuals regarding their personal data. Security breaches could also damage our relationships with and ability to attract customers and partners, and trigger service availability, indemnification and other contractual obligations. Security incidents may also cause us to incur significant investigation, mitigation, remediation, notification and other expenses. Furthermore, as a well-known provider of identity and security solutions, any such breach, including a breach of our customers' systems, could compromise systems secured by our products, creating system disruptions or slowdowns and exploiting security vulnerabilities of our or our customers' systems, and the information stored on our or our customers' systems could be accessed, publicly disclosed, altered, lost or stolen, which could subject us to liability and cause us financial harm. While we maintain cybersecurity insurance, our insurance may be insufficient to cover all liabilities incurred in these incidents, and any incidents may result in loss of, or increased costs of, our cybersecurity insurance. These breaches, or any perceived breach, of our systems, our customers' systems, or other systems or networks secured by our products, whether or not any such breach is due to a vulnerability in our platform, may also undermine confidence in our platform or our industry and result in damage to our reputation and brand, negative publicity, loss of ISVs and other channel partners, customers and sales, increased costs to remedy any problem, costly litigation and other liability. In addition, a breach of the security measures of one of our key ISVs or other channel partners could result in the exfiltration of confidential corporate information or other data that may provide additional avenues of attack, and if a high profile security breach occurs with respect to a comparable cloud technology provider, our customers and potential customers may lose trust in the security of the cloud business model generally, which could adversely impact our ability to retain existing customers or attract new ones, potentially causing a negative impact on our business. Any of these negative outcomes could adversely impact market acceptance of our products and could harm our business, results of operations and financial condition.

Third parties may attempt to fraudulently induce employees, customers or our customers' users into disclosing sensitive information such as user names, passwords or other information or otherwise compromise the security of our internal networks, electronic systems and/or physical facilities in order to gain access to our data or our customers' data, which could result in significant legal and financial exposure, a loss of confidence in

the security of our platform, interruptions or malfunctions in our operations, account lock outs, and, ultimately, harm to our future business prospects and revenue. We may be required to expend significant capital and financial resources to protect against such threats or to alleviate problems caused by breaches in security.

We may experience quarterly fluctuations in our results of operations due to a number of factors that make our future results difficult to predict and could cause our results of operations to fall below analyst or investor expectations.

Our quarterly results of operations fluctuate from quarter to quarter as a result of a number of factors, many of which are outside of our control and may be difficult to predict, including, but not limited to:

- the level of demand for our platform;
- our ability to attract new customers, obtain renewals from existing customers and upsell or otherwise increase our existing customers' use of our platform;
- the timing and success of new product introductions by us or our competitors or any other change in the competitive landscape of our market;
- pricing pressure as a result of competition or otherwise;
- seasonal buying patterns for IT spending;
- the mix of revenue attributable to larger transactions as opposed to smaller transactions, and the associated volatility and timing of our transactions;
- errors in our forecasting of the demand for our products, which could lead to lower revenue, increased costs or both;
- increases in and timing of sales and marketing and other operating expenses that we may incur to grow and expand our operations and to remain competitive;
- significant security breaches of, technical difficulties with, or interruptions to, the delivery and use of our platform and products;
- our ability to comply with privacy laws and requirements, including the General Data Protection Regulation and California Consumer Privacy Act;
- costs related to the acquisition of businesses, talent, technologies or intellectual property, including potentially significant amortization costs and possible write-downs;
- credit or other difficulties confronting our channel partners;
- adverse litigation judgments, settlements of litigation and other disputes or other litigation-related or dispute-related costs;
- the impact of new accounting pronouncements and associated system implementations;
- changes in the legislative or regulatory environment;
- fluctuations in foreign currency exchange rates;
- expenses related to real estate, including our office leases, and other fixed expenses; and
- general economic conditions in either domestic or international markets, including geopolitical uncertainty and instability.

Any one or more of the factors above may result in significant fluctuations in our results of operations. You should not rely on our past results as an indicator of our future performance.

The variability and unpredictability of our quarterly results of operations or other operating metrics could result in our failure to meet our expectations or those of analysts that cover us or investors with respect to revenue or other metrics for a particular period. If we fail to meet or exceed such expectations for these or any other reasons, the market price of our Class A common stock could fall substantially, and we could face costly lawsuits, including securities class action suits.

Any actual or perceived failure by us to comply with our privacy policy or legal or regulatory requirements in one or multiple jurisdictions could result in proceedings, actions or penalties against us.

Our customers' storage and use of data concerning, among others, their employees, contractors, partners and customers is essential to their use of our platform. We have implemented various features intended to enable our customers to better comply with applicable privacy and security requirements in their collection and use of data, but these features do not ensure their compliance and may not be effective against all potential privacy concerns.

Many jurisdictions have enacted or are considering enacting or revising privacy and/or data security legislation, including laws and regulations applying to the collection, use, storage, transfer, disclosure and/or processing of personal data. The costs of compliance with, and other burdens imposed by, such laws and regulations that are applicable to the operations of our customers may limit the use and adoption of our service and reduce overall demand for it. These privacy and data security related laws and regulations are evolving and may result in increasing regulatory and public scrutiny and escalating levels of enforcement and sanctions. In addition, we are subject to certain contractual obligations regarding the collection, use, storage, transfer, disclosure and/or processing of personal data. Although we are working to comply with those federal, state, and foreign laws and regulations, industry standards, contractual obligations and other legal obligations that apply to us, those laws, regulations, standards and obligations are evolving and may be modified, interpreted and applied in an inconsistent manner from one jurisdiction to another, and may conflict with one another, other requirements or legal obligations, our practices or the features of our platform. In addition, some of our customers rely on our authorization under the Federal Risk and Authorization Management Program, or FedRAMP, to help satisfy their own legal and regulatory compliance requirements.

Any failure or perceived failure by us to comply with federal, state or foreign laws or regulations, industry standards, contractual obligations or other legal obligations, or any actual or suspected security incident, whether or not resulting in unauthorized access to, or acquisition, release or transfer of personal data or other data, may result in governmental enforcement actions and prosecutions, private litigation, fines and penalties or adverse publicity and could cause our customers to lose trust in us, which could have an adverse effect on our reputation and business. Any inability to adequately address privacy and security concerns, even if unfounded, or comply with applicable laws, regulations, policies, industry standards, contractual obligations or other legal obligations could result in additional cost and liability to us, damage our reputation, inhibit sales and adversely affect our business.

We also expect that there will continue to be new proposed laws, regulations and industry standards concerning privacy, data protection and information security in the United States, the European Union and other jurisdictions, and we cannot yet determine the impact such future laws, regulations and standards may have on our business. For example, in June 2018 California enacted the California Consumer Privacy Act which takes effect on January 1, 2020 and will broadly define personal information, give California residents expanded privacy rights and protections and provide for civil penalties for violations and a private right of action for data breaches. In addition to government activity, privacy advocacy groups and technology and other industries are considering various new, additional or different self-regulatory standards that may place additional burdens on us. Future laws, regulations, standards and other obligations, and changes in the interpretation of existing laws, regulations, standards and other obligations could impair our or our customers' ability to collect, use or disclose

information relating to consumers, which could decrease demand for our applications, increase our costs and impair our ability to maintain and grow our customer base and increase our revenue. New laws, amendments to or re-interpretations of existing laws and regulations, industry standards, contractual obligations and other obligations may require us to incur additional costs and restrict our business operations. Such laws and regulations may require companies to implement privacy and security policies, permit users to access, correct and delete personal data stored or maintained by such companies, inform individuals of security breaches that affect their personal data, and, in some cases, obtain individuals' consent to use personal data for certain purposes. If we, or the third parties on which we rely, fail to comply with federal, state and international data privacy laws and regulations our ability to successfully operate our business and pursue our business goals could be harmed.

Our failure to comply with applicable laws and regulations, or to protect such data, could result in enforcement action against us, including fines and public censure, claims for damages by customers and other affected individuals, damage to our reputation and loss of goodwill (both in relation to existing customers and prospective customers), any of which could harm our business, results of operations and financial condition.

Since many of our service's features involve the processing of personal data from our customers and their employees, contractors, customers, partners and others, any inability to adequately address privacy concerns, even if such concerns are unfounded, or to comply with applicable privacy or data security laws, regulations and policies, could result in liability to us, damage to our reputation, inhibition of sales and to our business.

Around the world, there are numerous lawsuits in process against various technology companies that process personal data. If those lawsuits are successful, it could increase the likelihood that our company may be exposed to liability for our own policies and practices concerning the processing of personal data and could hurt our business. Furthermore, the costs of compliance with, and other burdens imposed by laws, regulations and policies concerning privacy and data security that are applicable to the businesses of our customers may limit the use and adoption of our platform and reduce overall demand for it. Privacy concerns, whether or not valid, may inhibit market adoption of our platform. Additionally, concerns about security or privacy may result in the adoption of new legislation that restricts the implementation of technologies like ours or requires us to make modifications to our platform, which could significantly limit the adoption and deployment of our technologies or result in significant expense to modify our platform.

We publicly post our privacy policies and practices concerning our processing, use and disclosure of the personal data provided to us by our website visitors and by our customers. Our publication of our privacy policies and other statements we publish that provide promises and assurances about privacy and security can subject us to potential state and federal action if they are found to be deceptive or misrepresentative of our practices.

Evolving and changing definitions of what constitutes "Personal Information" and "Personal Data" within the European Union, the United States and elsewhere, especially relating to classification of IP addresses, machine or device identification numbers, location data and other information, may limit or inhibit our ability to operate or expand our business, including limiting technology alliance partners that may involve the sharing of data.

If our platform is perceived to cause, or is otherwise unfavorably associated with, violations of privacy or data security requirements, it may subject us or our customers to public criticism and potential legal liability. Existing and potential privacy laws and regulations concerning privacy and data security and increasing sensitivity of consumers to unauthorized processing of personal data may create negative public reactions to technologies, products and services such as ours. Public concerns regarding personal data processing, privacy and security may cause some of our customers' end users to be less likely to visit their websites or otherwise interact with them. If enough end users choose not to visit our customers' websites or otherwise interact with them, our customers could stop using our platform. This, in turn, may reduce the value of our service, and slow or eliminate the growth of our business, or cause our business to contract.

Our financial results may fluctuate due to increasing variability in our sales cycles.

We plan our expenses based on certain assumptions about the length and variability of our sales cycle. These assumptions are based upon historical trends for sales cycles and conversion rates associated with our existing customers. As we continue to focus on sales to larger organizations, we expect our sales cycles to lengthen and become less predictable, which may harm our financial results. Factors that may influence the length and variability of our sales cycle include, among other things:

- the need to raise awareness about the uses and benefits of our platform, including our customer identity products;
- the need to allay privacy, regulatory and security concerns;
- the discretionary nature of purchasing and budget cycles and decisions;
- the competitive nature of evaluation and purchasing processes;
- announcements or planned introductions of new products, features or functionality by us or our competitors; and
- often lengthy purchasing approval processes.

Our increasing focus on sales to larger organizations may further increase the variability of our financial results. If we are unable to close one or more of such expected significant transactions in a particular period, or if such an expected transaction is delayed until a subsequent period, our results of operations for that period, and for any future periods in which revenue from such transaction would otherwise have been recognized, may be harmed.

We provide service level commitments under our customer contracts. If we fail to meet these contractual commitments, we could be obligated to provide credits for future service, or face contract termination with refunds of prepaid amounts related to unused subscriptions, which could harm our business, results of operations and financial condition.

Our customer agreements contain service level commitments, under which we guarantee specified availability of our platform. Any failure of or disruption to our infrastructure could make our platform unavailable to our customers. If we are unable to meet the stated service level commitments to our customers or suffer extended periods of unavailability of our platform, we may be contractually obligated to provide affected customers with service credits for future subscriptions, or customers could elect to terminate and receive refunds for prepaid amounts related to unused subscriptions. For example, in October 2016, a distributed denial-of-service attack against Dyn, a domain name service vendor we use (since acquired by Oracle), prevented many of our customers and their users in the United States from accessing our platform or applications authenticated by our platform and resulted in our failing to meet certain contracted uptime levels under our service level commitments and the issuance of service credits to some of our customers. Our revenue, other results of operations and financial condition could be harmed if we suffer unscheduled downtime that exceeds the service level commitments under our agreements with our customers, and any extended service outages could adversely affect our business and reputation as customers may elect not to renew and we could lose future sales.

If we fail to offer high-quality customer support, our business and reputation will suffer.

Once our platform is deployed to our customers, our customers rely on our support services to resolve any related issues. High-quality customer education and customer support is important for the successful marketing and sale of our products and for the renewal of existing customers. The importance of high-quality customer support will increase as we expand our business and pursue new organizations. If we do not help our customers quickly resolve post-deployment issues and provide effective ongoing customer support, our ability to upsell additional products to existing customers would suffer and our reputation with existing or potential customers would be harmed.

Our growth depends, in part, on the success of our strategic relationships with third parties.

To grow our business, we anticipate that we will continue to depend on relationships with third parties, such as channel partners. Identifying partners, and negotiating and documenting relationships with them, requires significant time and resources. Our competitors may be effective in providing incentives to third parties to favor their products or services over subscriptions to our platform. In addition, acquisitions of such partners by our competitors could result in a decrease in the number of our current and potential customers, as these partners may no longer facilitate the adoption of our applications by potential customers. Further, some of our partners are or may become competitive with certain of our products and may elect to no longer integrate with our platform. If we are unsuccessful in establishing or maintaining our relationships with third parties, our ability to compete in the marketplace or to grow our revenue could be impaired, and our results of operations may suffer. Even if we are successful, we cannot assure you that these relationships will result in increased customer usage of our applications or increased revenue.

Because we generally recognize revenue from our subscriptions and support services over the term of the relevant service period, a decrease in sales during a reporting period may not be immediately reflected in our results of operations for that period.

We generally recognize revenue from subscriptions and related support services revenue ratably over the relevant service period. Net new revenue from new subscriptions, upsells and renewals entered into during a period can generally be expected to generate revenue for the duration of the service period. As a result, most of the revenue we report in each period is derived from the recognition of deferred revenue relating to subscriptions and support services contracts entered into during previous periods. Consequently, a decrease in new or renewed subscriptions in any single reporting period will have a limited impact on our revenue for that period. In addition, our ability to adjust our cost structure in the event of a decrease in new or renewed subscriptions may be limited.

Further, a decline in new subscriptions or renewals in a given period may not be fully reflected in our revenue for that period, but will negatively affect our revenue in future periods. Accordingly, the effect of significant downturns in sales and market acceptance of our services, and changes in our rate of renewals, may not be fully reflected in our results of operations until future periods. Our subscription model also makes it difficult for us to rapidly increase our revenue through additional sales in any period, as revenue from new customers is generally recognized over the applicable service period. Additionally, due to the complexity of certain of our customer contracts, the actual revenue recognition treatment required under Topic 606 will depend on contract-specific terms and may result in greater variability in revenue from period to period.

In addition, a decrease in new subscriptions or renewals in a reporting period may not have an immediate impact on billings for that period due to factors that may offset the decrease, such as an increase in billings duration, the dollar value of contracts with future start dates, or the dollar value of collections in the current period related to contracts with future start dates.

If we fail to adapt to rapid technological change, our ability to remain competitive could be impaired.

The industry in which we compete is characterized by rapid technological change, frequent introductions of new products and evolving industry standards. Our ability to attract new customers and increase revenue from existing customers will depend in significant part on our ability to anticipate industry standards and trends and continue to enhance existing products or introduce or acquire new products on a timely basis to keep pace with technological developments. The success of any enhancement or new product depends on several factors, including the timely completion and market acceptance of the enhancement or new product. Any new product we develop or acquire might not be introduced in a timely or cost-effective manner and might not achieve the broad market acceptance necessary to generate significant revenue. If any of our competitors implements new technologies before we are able to implement them, those competitors may be able to provide more effective products than ours at lower prices. Any delay or failure in the introduction of new or enhanced products could harm our business, results of operations and financial condition.

Adverse general economic and market conditions and reductions in workforce identity and customer identity spending may reduce demand for our products, which could harm our revenue, results of operations and cash flows.

Our revenue, results of operations and cash flows depend on the overall demand for our products. Concerns about the systemic impact of a potential widespread recession (in the United States or internationally), energy costs, geopolitical issues or the availability and cost of credit could lead to increased market volatility, decreased consumer confidence and diminished growth expectations in the U.S. economy and abroad, which in turn could result in reductions in workforce identity and customer identity spending by our existing and prospective customers. Prolonged economic slowdowns may result in customers requesting us to renegotiate existing contracts on less advantageous terms to us than those currently in place or defaulting on payments due on existing contracts or not renewing at the end of the contract term.

Our customers may merge with other entities who use alternative identity solutions and, during weak economic times, there is an increased risk that one or more of our customers will file for bankruptcy protection, either of which may harm our revenue, profitability and results of operations. We also face risk from international customers that file for bankruptcy protection in foreign jurisdictions, particularly given that the application of foreign bankruptcy laws may be more difficult to predict. In addition, we may determine that the cost of pursuing any claim may outweigh the recovery potential of such claim. As a result, broadening or protracted extension of an economic downturn could harm our business, revenue, results of operations and cash flows.

If we are unable to ensure that our products integrate or interoperate with a variety of operating systems and software applications that are developed by others, our platform may become less competitive and our results of operations may be harmed.

The number of people who access the Internet through mobile devices and access cloud-based software applications through mobile devices, including smartphones and handheld tablets or laptop computers, has increased significantly in the past few years and is expected to continue to increase. While we have created mobile applications and mobile versions of our products, if these mobile applications and products do not perform well, our business may suffer. We are also dependent on third-party application stores that may prevent us from timely updating our current products or uploading new products. In addition, our products interoperate with servers, mobile devices and software applications predominantly through the use of protocols, many of which are created and maintained by third parties. We therefore depend on the interoperability of our products with such third-party services, mobile devices and mobile operating systems, as well as cloud-enabled hardware, software, networking, browsers, database technologies and protocols that we do not control. Any changes in such technologies that degrade the functionality of our products or give preferential treatment to competitive services could adversely affect adoption and usage of our platform. Also, we may not be successful in developing or maintaining relationships with key participants in the mobile industry or in developing products that operate effectively with a range of operating systems, networks, devices, browsers, protocols and standards. In addition, we may face different fraud, security and regulatory risks from transactions sent from mobile devices than we do from personal computers. If we are unable to effectively anticipate and manage these risks, or if it is difficult for our customers to access and use our platform, our business, results of operations and financial condition may be harmed.

Our success also depends on the willingness of third-party developers and technology providers to build applications and provide integrations that are complementary to our service. Without the development of these applications and integrations, both current and potential customers may not find our service sufficiently attractive, and our business, results of operations and financial condition could suffer.

Failure to effectively develop and expand our marketing and sales capabilities could harm our ability to increase our customer base and achieve broader market acceptance of our products.

Our ability to increase our customer base and achieve broader market acceptance of our products will depend to a significant extent on our ability to expand our marketing and sales operations. We plan to continue expanding our direct sales force and engaging additional channel partners, both domestically and internationally. This expansion will require us to invest significant financial and other resources. Our business will be harmed if our efforts do not generate a corresponding increase in revenue. We may not achieve anticipated revenue growth from expanding our direct sales force if we are unable to hire and develop talented direct sales personnel, if our new direct sales personnel are unable to achieve desired productivity levels in a reasonable period of time or if we are unable to retain our existing direct sales personnel. We also may not achieve anticipated revenue growth from our channel partners if we are unable to attract and retain additional motivated channel partners, if any existing or future channel partners fail to successfully market, resell, implement or support our products for their customers, or if they represent multiple providers and devote greater resources to market, resell, implement and support the products and solutions of these other providers. For example, some of our channel partners also sell or provide integration and administration services for our competitors' products, and if such channel partners devote greater resources to marketing, reselling and supporting competing products, this could harm our business, results of operations and financial condition.

Our ability to introduce new products and features is dependent on adequate research and development resources and our ability to successfully complete acquisitions. If we do not adequately fund our research and development efforts or complete acquisitions successfully, we may not be able to compete effectively and our business and results of operations may be harmed.

To remain competitive, we must continue to develop new products, applications and enhancements to our existing platform. This is particularly true as we further expand and diversify our capabilities. Maintaining adequate research and development resources, such as the appropriate personnel and development technology, to meet the demands of the market is essential. If we elect not to or are unable to develop products internally due to certain constraints, such as high employee turnover, lack of management ability or a lack of other research and development resources, we may choose to expand into a certain market or strategy via an acquisition for which we could potentially pay too much or fail to successfully integrate into our operations. Further, many of our competitors expend a considerably greater amount of funds on their respective research and development programs, and those that do not may be acquired by larger companies that would allocate greater resources to our competitors' research and development programs. Our failure to maintain adequate research and development resources or to compete effectively with the research and development programs of our competitors would give an advantage to such competitors and may harm our business, results of operations and financial condition.

Interruptions or delays in the services provided by third-party data centers or internet service providers could impair the delivery of our platform and our business could suffer.

We host our platform using AWS data centers, a provider of cloud infrastructure services. All of our products utilize resources operated by us in these locations. Our operations depend on protecting the virtual cloud infrastructure hosted in AWS by maintaining its configuration, architecture and interconnection specifications, as well as the information stored in these virtual data centers and which third-party internet service providers transmit. Although we have disaster recovery plans that utilize multiple AWS locations, any incident affecting their infrastructure that may be caused by fire, flood, severe storm, earthquake, power loss, telecommunications failures, unauthorized intrusion, computer viruses and disabling devices, natural disasters, war, criminal act, military actions, terrorist attacks and other similar events beyond our control could negatively affect our platform. A prolonged AWS service disruption affecting our platform for any of the foregoing reasons could damage our reputation with current and potential customers, expose us to liability, cause us to lose customers or otherwise harm our business. We may also incur significant costs for using alternative equipment or taking other actions in preparation for, or in reaction to, events that damage the AWS services we use.

AWS enables us to order and reserve server capacity in varying amounts and sizes distributed across multiple regions. AWS provides us with computing and storage capacity pursuant to an agreement that continues until terminated by either party. AWS may terminate the agreement by providing 30 days prior written notice and may, in some cases, terminate the agreement immediately for cause upon notice.

Our platform is accessed by a large number of customers, often at the same time. As we continue to expand the number of our customers and products available to our customers, we may not be able to scale our technology to accommodate the increased capacity requirements, which may result in interruptions or delays in service. In addition, the failure of AWS data centers, or third-party internet service providers, or other third-party service providers whose services are integrated with our platform, to meet our capacity requirements could result in interruptions or delays in access to our platform or impede our ability to scale our operations. In the event that our AWS service agreements are terminated, or there is a lapse of service, interruption of internet service provider connectivity or damage to such facilities, we could experience interruptions in access to our platform as well as delays and additional expense in arranging new facilities and services.

Our success depends, in part, on the integrity and scalability of our systems and infrastructures. System interruption and the lack of integration, redundancy and scalability in these systems and infrastructures may harm our business, results of operations and financial condition.

Our success depends, in part, on our ability to maintain the integrity of our systems and infrastructure, including websites, information and related systems. System interruption and a lack of integration and redundancy in our information systems and infrastructure may adversely affect our ability to operate websites, process and fulfill transactions, respond to customer inquiries and generally maintain cost-efficient operations. We may experience occasional system interruptions that make some or all systems or data unavailable or prevent us from efficiently providing access to our platform. We also rely on third-party computer systems, broadband and other communications systems and service providers in connection with providing access to our platform generally. Any interruptions, outages or delays in our systems and infrastructure, our business and/or third parties, or deterioration in the performance of these systems and infrastructure, could impair our ability to provide access to our platform. Fire, flood, power loss, telecommunications failure, hurricanes, tornadoes, earthquakes, other natural disasters, acts of war or terrorism and similar events or disruptions may damage or interrupt computer, broadband or other communications systems and infrastructure at any time. Any of these events could cause system interruption, delays and loss of critical data, and could prevent us from providing access to our platform. While we have backup systems for certain aspects of their operations, disaster recovery planning by its nature cannot be sufficient for all eventualities. In addition, we may not have adequate insurance coverage to compensate for losses from a major interruption. If any of these events were to occur, it could harm our business, results of operations and financial condition.

We rely on software and services from other parties. Defects in or the loss of access to software or services from third parties could increase our costs and adversely affect the quality of our products.

We rely on technologies from third parties to operate critical functions of our business, including cloud infrastructure services and customer relationship management services. Our business would be disrupted if any of the third-party software or services we utilize, or functional equivalents thereof, were unavailable due to extended outages or interruptions or because they are no longer available on commercially reasonable terms or prices. In each case, we would be required to either seek licenses to software or services from other parties and redesign our products to function with such software or services or develop these components ourselves, which would result in increased costs and could result in delays in our product launches and the release of new product offerings until equivalent technology can be identified, licensed or developed, and integrated into our products. Furthermore, we might be forced to limit the features available in our current or future products. These delays and feature limitations, if they occur, could harm our business, results of operations and financial condition.

Various factors, including our customers' business, integration, migration and security requirements, or errors by us or our partners, may cause implementations of our products to be delayed, inefficient or otherwise unsuccessful.

Our business depends upon the successful implementation of our products by our customers. Increasingly, we, as well as our customers, rely on our network of partners to deliver implementation services, and there may not be enough qualified implementation partners available to meet customer demand. Further, various factors, including our customers' business, integration, migration and security requirements, or errors by us or our partners, may cause implementations to be delayed, inefficient or otherwise unsuccessful. For example, changes in the functional requirements of our customers, delays in timeline, or deviation from recommended best practices may occur during the course of an implementation project. As a result of these and other risks, we or our customers may incur significant implementation costs in connection with the purchase, implementation and enablement of our products. Some customer implementations may take longer than planned or fail to meet our customers' expectations, which may delay our ability to sell additional products or result in customers canceling or failing to renew their subscriptions before our products have been fully implemented. Unsuccessful, lengthy, or costly customer implementation and integration projects could result in claims from customers, harm to our reputation, and opportunities for competitors to displace our products, each of which could have an adverse effect on our business and results of operations.

Real or perceived errors, failures, vulnerabilities or bugs in our products, including deployment complexity, could harm our business and results of operations.

Errors, failures, vulnerabilities or bugs may occur in our products, especially when updates are deployed or new products are rolled out. Our platform is often used in connection with large-scale computing environments with different operating systems, system management software, equipment and networking configurations, which may cause errors or failures of products, or other aspects of the computing environment into which our products are deployed. In addition, deployment of our products into complicated, large-scale computing environments may expose errors, failures, vulnerabilities or bugs in our products. Any such errors, failures, vulnerabilities or bugs may not be found until after they are deployed to our customers. Real or perceived errors, failures, vulnerabilities or bugs in our products, or delays in or difficulties implementing our product releases, could result in negative publicity, loss of customer data, loss of or delay in market acceptance of our products, a decrease in customer satisfaction or adoption rates, loss of competitive position, or claims by customers for losses sustained by them, all of which could harm our business, results of operations and financial condition.

A portion of our revenues are generated by sales to government entities, which are subject to a number of challenges and risks.

A portion of our sales are to governmental agencies, and we have made, and may continue to make, investments to support future sales opportunities in the government sector. Government demand for our products could be impacted by budgetary cycles, and there may be governmental certification requirements for our products. Further, we may be subject to audits and investigations regarding our governmental contracts, and any violations could result in penalties and sanctions, including termination of the contract, refunding or forfeiting payments, fines and suspension or disbarment from future government business. Selling to these entities can be highly competitive, expensive and time consuming, often requiring significant upfront time and expense without any assurance that we will successfully complete a sale. Government entities often require contract terms that differ from our standard arrangements and impose compliance requirements that are complicated, require preferential pricing, termination rights tied to funding availability or "most favored nation" terms and conditions, or are otherwise time consuming and expensive to satisfy. Government entities may also have statutory, contractual, or other legal rights to terminate contracts with our partners for convenience, for lack of funding, or due to a default, and any such termination may adversely impact our future results of operations. If we undertake to meet special standards or requirements and do not meet them, we could be subject to increased liability from our customers or regulators or termination rights. Even if we do meet them, the additional costs associated with providing our service to government entities could harm our margins. Moreover, changes in the underlying

regulatory conditions that affect these types of customers could harm our ability to efficiently provide our service to them and to grow or maintain our customer base. Any of these risks related to contracting with government entities could adversely impact our future sales and results of operations, or make them more difficult to predict.

If we fail to enhance our brand cost-effectively, our ability to expand our customer base will be impaired and our business, results of operations and financial condition may suffer.

We believe that developing and maintaining awareness of our brand in a cost-effective manner is critical to achieving widespread acceptance of our existing and future products and is an important element in attracting new customers. Furthermore, we believe that the importance of brand recognition will increase as competition in our market increases. Successful promotion of our brand will depend largely on the effectiveness of our marketing efforts and on our ability to provide reliable and useful products at competitive prices. In the past, our efforts to build our brand have involved significant expenses. Brand promotion activities may not yield increased revenue, and even if they do, any increased revenue may not offset the expenses we incur in building our brand. If we fail to successfully promote and maintain our brand, or incur substantial expenses in an unsuccessful attempt to promote and maintain our brand, we may fail to attract new customers or retain our existing customers to the extent necessary to realize a sufficient return on our brand-building efforts, and our business, results of operations and financial condition could suffer.

If we fail to adequately protect our proprietary rights, our competitive position could be impaired and we may lose valuable assets, generate less revenue and incur costly litigation to protect our rights.

Our success is dependent, in part, upon protecting our proprietary information and technology. We rely on a combination of patents, copyrights, trademarks, service marks, trade secret laws and contractual restrictions to establish and protect our proprietary rights. However, the steps we take to protect our intellectual property may be inadequate. We will not be able to protect our intellectual property if we are unable to enforce our rights or if we do not detect unauthorized use of our intellectual property. Despite our precautions, it may be possible for unauthorized third parties to copy our products and use information that we regard as proprietary to create products that compete with ours. Some license provisions protecting against unauthorized use, copying, transfer and disclosure of our products may be unenforceable under the laws of certain jurisdictions and foreign countries. Further, the laws of some countries do not protect proprietary rights to the same extent as the laws of the United States, and mechanisms for enforcement of intellectual property rights in some foreign countries may be inadequate. To the extent we expand our international activities, our exposure to unauthorized copying and use of our products and proprietary information may increase. Accordingly, despite our efforts, we may be unable to prevent third parties from infringing upon or misappropriating our technology and intellectual property.

We rely in part on trade secrets, proprietary know-how and other confidential information to maintain our competitive position. Although we enter into confidentiality and invention assignment agreements with our employees and consultants and enter into confidentiality agreements with the parties with whom we have strategic relationships and business alliances, no assurance can be given that these agreements will be effective in controlling access to and distribution of our products and proprietary information. Further, these agreements do not prevent our competitors from independently developing technologies that are substantially equivalent or superior to our products.

To protect our intellectual property rights, we may be required to spend significant resources to monitor and protect these rights. Litigation may be necessary in the future to enforce our intellectual property rights and to protect our trade secrets. Such litigation could be costly, time consuming and distracting to management and could result in the impairment or loss of portions of our intellectual property. Furthermore, our efforts to enforce our intellectual property rights may be met with defenses, counterclaims and countersuits attacking the validity and enforceability of our intellectual property rights. Our inability to protect our proprietary technology against unauthorized copying or use, as well as any costly litigation or diversion of our management's attention and resources, could delay further sales or the implementation of our products, impair the functionality of our products, delay introductions of new products, result in our substituting inferior or more costly technologies into

our products, or injure our reputation. In addition, we may be required to license additional technology from third parties to develop and market new products, and we cannot assure you that we could license that technology on commercially reasonable terms or at all, and our inability to license this technology could harm our ability to compete.

Our results of operations may be harmed if we are subject to an infringement claim or a claim that results in a significant damage award.

There is considerable patent and other intellectual property development activity in our industry, and we expect that software companies will increasingly be subject to infringement claims as the number of products and competitors grows and the functionality of products in different industry segments overlaps. In addition, the patent portfolios of many of our competitors are larger than ours, and this disparity may increase the risk that our competitors may sue us for patent infringement and may limit our ability to counterclaim for patent infringement or settle through patent cross-licenses. Other companies have claimed in the past, and may claim in the future, that we infringe upon their intellectual property rights. A claim may also be made relating to technology that we acquire or license from third parties. Further, we may be unaware of the intellectual property rights of others that may cover some or all of our technology.

Any claim of infringement, regardless of its merit or our defenses, could:

- require costly litigation to resolve and/or the payment of substantial damages, ongoing royalty payments or other amounts to settle such disputes;
- require significant management time and attention;
- cause us to enter into unfavorable royalty or license agreements, if such arrangements are available at all;
- require us to discontinue the sale of some or all of our products, remove or reduce features or functionality of our products or comply with other unfavorable terms;
- require us to indemnify our customers or third-party service providers; and/or
- require us to expend additional development resources to redesign our products.

Any one or more of the above could harm our business, results of operations and financial condition.

We use open source software in our products, which could negatively affect our ability to offer our products and subject us to litigation or other actions.

We use open source software in our products and expect to use more open source software in the future. From time to time, there have been claims challenging the ownership of open source software against companies that incorporate open source software into their products. However, the terms of many open source licenses have not been interpreted by U.S. courts, and there is a risk that these licenses could be construed in a way that could impose unanticipated conditions or restrictions on our ability to commercialize our products. As a result, we could be subject to lawsuits by parties claiming ownership of what we believe to be open source software. Litigation could be costly for us to defend, have a negative effect on our results of operations and financial condition or require us to devote additional research and development resources to change our products. In addition, if we were to combine our proprietary software products with open source software in a certain manner, we could, under certain of the open source licenses, be required to release the source code of our proprietary software to the public. This would allow our competitors to create similar products with less development effort and time. If we inappropriately use open source software, or if the license terms for open source software that we use change, we may be required to re-engineer our products, incur additional costs, discontinue the sale of some or all of our products or take other remedial actions.

In addition to risks related to license requirements, usage of open source software can lead to greater risks than use of third-party commercial software, as open source licensors generally do not provide warranties or assurance of title or controls on origin of the software. In addition, many of the risks associated with usage of open source software, such as the lack of warranties or assurances of title, cannot be eliminated, and could, if not properly addressed, negatively affect our business. We have established processes to help alleviate these risks, including a review process for screening requests from our development organizations for the use of open source software, but we cannot be sure that all of our use of open source software is in a manner that is consistent with our current policies and procedures, or will not subject us to liability.

Indemnity provisions in various agreements potentially expose us to substantial liability for intellectual property infringement and other losses.

Our agreements with customers and other third parties may include indemnification or other provisions under which we agree to indemnify or otherwise be liable to them for losses suffered or incurred as a result of claims of intellectual property infringement, damages caused by us to property or persons, or other liabilities relating to or arising from the use of our platform or other acts or omissions. The term of these contractual provisions often survives termination or expiration of the applicable agreement. As we continue to grow, the possibility of infringement claims and other intellectual property rights claims against us may increase. For any intellectual property rights indemnification claim against us or our customers, we will incur significant legal expenses and may have to pay damages, settlement fees, license fees and/or stop using technology found to be in violation of the third party's rights. Large indemnity payments could harm our business, results of operations and financial condition. We may also have to seek a license for the infringing or allegedly infringing technology. Such license may not be available on reasonable terms, if at all, and may significantly increase our operating expenses or may require us to restrict our business activities and limit our ability to deliver certain products. As a result, we may also be required to develop alternative non-infringing technology, which could require significant effort and expense and/or cause us to alter our platform, which could negatively affect our business.

From time to time, customers require us to indemnify or otherwise be liable to them for breach of confidentiality, violation of applicable law or failure to implement adequate security measures with respect to their data stored, transmitted, or accessed using our platform. Although we normally contractually limit our liability with respect to such obligations, the existence of such a dispute may have adverse effects on our customer relationship and reputation and we may still incur substantial liability related to them.

Any assertions by a third party, whether or not successful, with respect to such indemnification obligations could subject us to costly and time-consuming litigation, expensive remediation and licenses, divert management attention and financial resources, harm our relationship with that customer and other current and prospective customers, reduce demand for our platform, and harm our brand, business, results of operations and financial condition.

We may face particular privacy, data security and data protection risks in Europe due to the invalidation of the Safe Harbor Program and the European General Data Protection Regulation.

In the European Community, Directive 95/46/EC, or the Directive, has required European Union member states to implement data protection laws to meet the strict privacy requirements of the Directive. Among other requirements, the Directive regulates transfers of personally identifiable data that is subject to the Directive, or Personal Data, to third countries, such as the United States, that have not been found to provide adequate protection to such Personal Data. Our customers have in the past relied upon our adherence to the U.S. Department of Commerce's Safe Harbor Privacy Principles and compliance with the U.S.-EU and U.S.-Swiss Safe Harbor Frameworks as agreed to and set forth by the U.S. Department of Commerce, and the European Union and Switzerland, which established a means for legitimating the transfer of Personal Data by data controllers in the European Economic Area, or EEA, to the United States. As a result of the October 6, 2015 European Union Court of Justice, or ECJ, opinion in Case C-362/14 (Schrems v. Data Protection Commissioner) regarding the adequacy of the U.S.-EU Safe Harbor Framework, the U.S.-EU Safe Harbor Framework is no

longer deemed to be a valid method of compliance with requirements set forth in the Directive (and member states' implementations thereof) regarding the transfer of Personal Data outside of the EEA.

After the invalidation of the Safe Harbor Framework, negotiators from the European Union and United States worked to arrive at a new solution to legitimize transfers of Personal Data from the EEA to the United States and eventually reached political agreement on a successor to the Safe Harbor Framework. The Privacy Shield was formally adopted and as of August 1, 2016, interested companies have been permitted to register for the program. There continue to be concerns about the future of Privacy Shield as a legitimate data transfer mechanism as it continues to be subject to legal challenges. Until the remaining legal uncertainties regarding the future of the EU-US Privacy Shield are settled and we determine whether we will participate in the program, we will continue to face uncertainty as to whether our efforts to comply with our obligations under European privacy laws will be sufficient. In addition, the other bases on which we and our customers rely for the transfer of data, such as the Standard Contractual Clauses, continue to be subjected to regulatory and judicial scrutiny. In 2017, a legal challenge to the validity of the EU Standard Contractual Clauses (a data transfer mechanism) was referred to the ECJ for review. If the Standard Contractual Clauses are struck down as a lawful data transfer mechanism as a result of these proceedings or otherwise, it could harm us and our customers who rely on these clauses. If we are investigated by a European data protection authority, we may face fines and other penalties. Any such investigation or charges by European data protection authorities could have a negative effect on our existing business and on our ability to attract and retain new customers.

In light of the ECJ opinion in Case C-362/14, we offer our customers other methods to enable compliant data transfers from the EEA to the United States and have begun to undertake efforts to conform transfers of Personal Data from the EEA based on current regulatory obligations, the guidance of data protection authorities, and evolving best practices. Despite this, we may be unsuccessful in establishing conforming means or means that are acceptable to our customers of transferring such data from the EEA, including due to ongoing legislative activity, which may vary the current data protection landscape.

We may also experience hesitancy, reluctance, or refusal by European or multi-national customers to continue to use our service due to the potential risk exposure to such customers as a result of the ECJ ruling in Case C-362/14 and the current data protection obligations imposed on them by certain data protection authorities. Such customers may also view any alternative approaches to compliance as being too costly, too burdensome, too legally uncertain or otherwise objectionable and therefore decide not to do business with us.

In addition, data protection regulation is an area of increased focus and changing requirements. On April 27, 2016 the European Union adopted the General Data Protection Regulation 2016/679, or GDPR, that took effect on May 25, 2018, replacing the data protection laws of each European Union member state. The GDPR applies to any company established in the European Union as well as to those outside the European Union if they collect and use personal data in connection with the offering of goods or services to individuals in the European Union or the monitoring of their behavior. The GDPR enhances data protection obligations for processors and controllers of personal data, including, for example, expanded disclosures about how personal data is to be used, limitations on retention of information, mandatory data breach notification requirements and onerous new obligations on services providers. Non-compliance with the GDPR can trigger fines of up to €20 million, or 4% of total worldwide annual revenue, whichever is higher. Given the breadth and depth of changes in data protection obligations, complying with its requirements has caused us to expend significant resources and such expenditures are likely to continue into the near future as we respond to new interpretations and enforcement actions following the effective date of the regulation and as we continue to negotiate data processing agreements with our customers and business partners. Separate European Union laws and regulations (and member states' implementations thereof) govern the protection of consumers and of electronic communications and these are also evolving. A draft of the new ePrivacy Regulation extends the strict opt-in marketing rules with limited exceptions to business-to-business communications, alters rules on third-party cookies, web beacons and similar technology and significantly increases penalties. We cannot yet determine the impact that such future laws, regulations, and standards may have on our business. Such laws and regulations are often subject to differing interpretations and may be inconsistent among jurisdictions. We may incur substantial

expense in complying with the new obligations to be imposed by the GDPR and we may be required to make significant changes in our business operations and product and services development, all of which may adversely affect our revenues and our business overall.

We also continue to see jurisdictions imposing data localization laws, which require personal information, or certain subcategories of personal information to be stored in the jurisdiction of origin. These regulations may deter customers from using cloud-based services such as ours, and may inhibit our ability to expand into those markets or prohibit us from continuing to offer services in those markets without significant additional costs.

We and our customers are at risk of enforcement actions taken by certain European Union data protection authorities until such point in time that we may be able to ensure that all transfers of Personal Data to us in the United States from the EEA are conducted in compliance with all applicable regulatory obligations, the guidance of data protection authorities and evolving best practices. We may find it necessary to establish systems to maintain Personal Data originating from the European Union in the EEA, which may involve substantial expense and may cause us to need to divert resources from other aspects of our business, all of which may adversely affect our business.

We function as a HIPAA Business Associate for certain of our customers and, as such, are subject to strict privacy and data security requirements. If we fail to comply with any of these requirements, we could be subject to significant liability, all of which can adversely affect our business as well as our ability to attract and retain new customers.

The Health Insurance Portability Act of 1996, as amended by the Health Information Technology for Economic and Clinical Health Act, or HITECH, and their respective implementing regulations, or HIPAA, imposes specified requirements relating to the privacy, security and transmission of individually identifiable health information. Among other things, HITECH makes HIPAA's security standards directly applicable to business associates. We function as a business associate for certain of our customers that are HIPAA covered entities and service providers, and in that context we are regulated as a business associate for the purposes of HIPAA. If we are unable to comply with our obligations as a HIPAA business associate, we could face substantial civil and even criminal liability. Modifying the already stringent penalty structure that was present under HIPAA prior to HITECH, HITECH created four new tiers of civil monetary penalties and gave state attorneys general new authority to file civil actions for damages or injunctions in federal courts to enforce the federal HIPAA laws and seek attorneys' fees and costs associated with pursuing federal civil actions. In addition, many state laws govern the privacy and security of health information in certain circumstances, many of which differ from HIPAA and each other in significant ways and may not have the same effect.

The HIPAA-covered entities and service providers to which we provide services require us to enter into HIPAA-compliant business associate agreements with them. These agreements impose stringent data security obligations on us. If we are unable to meet the requirements of any of these business associate agreements, we could face contractual liability under the applicable business associate agreement as well as possible civil and criminal liability under HIPAA, all of which can have an adverse impact on our business and generate negative publicity, which, in turn, can have an adverse impact on our ability to attract and retain new customers.

We are subject to anti-corruption, anti-bribery and similar laws, and non-compliance with such laws can subject us to criminal penalties or significant fines and harm our business and reputation.

We are subject to anti-corruption and anti-bribery and similar laws, such as the U.S. Foreign Corrupt Practices Act of 1977, as amended, or the FCPA, the U.S. domestic bribery statute contained in 18 U.S.C. § 201, U.S. Travel Act, the USA PATRIOT Act, the U.K. Bribery Act 2010 and other anti-corruption, anti-bribery and anti-money laundering laws in countries in which we conduct activities. Anti-corruption and anti-bribery laws have been enforced aggressively in recent years and are interpreted broadly and prohibit companies and their employees and agents from promising, authorizing, making or offering improper payments or other benefits to government officials and others in the private sector. As we increase our international sales and business, our risks under these laws may increase.

In addition, we use channel partners to sell our products and conduct business on our behalf abroad. We or such partners may have direct or indirect interactions with officials and employees of government agencies or state-owned or affiliated entities and we can be held liable for the corrupt or other illegal activities of such partners, and our employees, representatives, contractors, partners, and agents, even if we do not explicitly authorize such activities. We have implemented an anti-corruption compliance program but cannot assure you that all our employees and agents, as well as those companies to which we outsource certain of our business operations, will not take actions in violation of our policies and applicable law, for which we may be ultimately held responsible.

Noncompliance with the FCPA, other applicable anti-corruption laws, or anti-money laundering laws could subject us to investigations, whistleblower complaints, sanctions, settlements, prosecution, and other enforcement actions. Any violation of these laws could result in disgorgement of profits, significant fines, damages, other civil and criminal penalties or injunctions, adverse media coverage, loss of export privileges, severe criminal or civil sanctions, suspension or debarment from U.S. government contracts and other consequences, any of which could have a materially adverse effect on our reputation, business, results of operations, and financial condition.

We are subject to governmental export controls and economic sanctions laws that could impair our ability to compete in international markets and subject us to liability if we are not in full compliance with applicable laws.

Our business activities are subject to various restrictions under U.S. export controls and trade and economic sanctions laws, including the U.S. Commerce Department's Export Administration Regulations and economic and trade sanctions regulations maintained by the U.S. Treasury Department's Office of Foreign Assets Control. The U.S. export control laws and U.S. economic sanctions laws include prohibitions on the sale or supply of certain products and services to U.S. embargoed or sanctioned countries, governments, persons and entities and also require authorization for the export of encryption items. In addition, various countries regulate the import of certain encryption technology, including through import and licensing requirements, and have enacted laws that could limit our ability to distribute our service or could limit our customers' ability to implement our service in those countries. Although we take precautions to prevent our products from being provided in violation of such laws, our products may have been in the past, and could in the future be, provided inadvertently in violation of such laws, despite the precautions we take. If we fail to comply with these laws and regulations, we and certain of our employees could be subject to civil or criminal penalties, including the possible loss of export privileges and monetary penalties. Obtaining the necessary authorizations, including any required license, for a particular transaction may be time-consuming, is not guaranteed, and may result in the delay or loss of sales opportunities. Although we take precautions to prevent transactions with U.S. sanction targets, we could inadvertently provide our products to persons prohibited by U.S. sanctions. This could result in negative consequences to us, including government investigations, penalties and harm to our reputation.

We have limited experience with respect to determining the optimal prices for our products.

In the past, we have sometimes adjusted our prices either for individual customers in connection with long-term agreements or for a particular product. We expect that we may need to change our pricing in future periods. Further, as competitors introduce new products that compete with ours or reduce their prices, we may be unable to attract new customers or retain existing customers based on our historical pricing. As we expand internationally, we also must determine the appropriate price to enable us to compete effectively internationally. In addition, if our mix of products sold changes, then we may need to, or choose to, revise our pricing. As a result, we may be required or choose to reduce our prices or change our pricing model, which could harm our business, results of operations and financial condition.

We may face exposure to foreign currency exchange rate fluctuations.

Today, our international customer contracts are primarily denominated in U.S. dollars. Over time, however, an increasing portion of our international customer contracts may be denominated in local currencies.

In addition, the majority of our international costs are denominated in local currencies. Therefore, fluctuations in the value of the U.S. dollar and foreign currencies may affect our results of operations when translated into U.S. dollars. We do not currently engage in currency hedging activities to limit the risk of exchange rate fluctuations. However, in the future, we may use derivative instruments, such as foreign currency forward and option contracts, to hedge certain exposures to fluctuations in foreign currency exchange rates. The use of such hedging activities may not offset any or more than a portion of the adverse financial effects of unfavorable movements in foreign exchange rates over the limited time the hedges are in place. Moreover, the use of hedging instruments may introduce additional risks if we are unable to structure effective hedges with such instruments.

Future acquisitions, strategic investments, partnerships or alliances could be difficult to identify and integrate, divert the attention of key management personnel, disrupt our business, dilute stockholder value and harm our results of operations and financial condition.

We have in the past acquired, and we may in the future seek to acquire or invest in, businesses, products or technologies that we believe could complement or expand our current platform, enhance our technical capabilities or otherwise offer growth opportunities. The pursuit of potential acquisitions may divert the attention of management and cause us to incur various expenses in identifying, investigating and pursuing suitable acquisitions, whether or not they are consummated. In addition, we have limited experience in acquiring other businesses. If we acquire additional businesses, we may not be able to successfully integrate and retain the acquired personnel, integrate the acquired operations and technologies, or effectively manage the combined business following the acquisition.

We may not be able to find and identify desirable acquisition targets or we may not be successful in entering into an agreement with any particular target. Acquisitions could also result in dilutive issuances of equity securities, use of our available cash or the incurrence of debt, or in adverse tax consequences or unfavorable accounting treatment, which could harm our results of operations.

Acquisitions and strategic transactions involve numerous risks, including:

- delays or reductions in customer purchases for both us and the acquired business;
- disruption of partner and customer relationships;
- potential loss of key employees of the acquired company;
- claims by and disputes with the acquired company's employees, customers, stockholders or third parties;
- unknown liabilities or risks associated with the acquired business, product or technology, such as contractual obligations, potential security vulnerabilities of the acquired company and its products and services, potential intellectual property infringement, costs arising from the acquired company's failure to comply with legal or regulatory requirements and litigation matters;
- they could be viewed unfavorably by our partners, our customers, our stockholders or securities analysts;
- unforeseen integration or other expenses; and
- future impairment of goodwill or other acquired intangible assets.

In addition, if an acquired business fails to meet our expectations, our business, results of operations and financial condition may suffer.

Our customers may fail to pay us in accordance with the terms of their agreements, necessitating action by us to compel payment.

We typically enter into multiple year, non-cancelable arrangements with our customers. If customers fail to pay us under the terms of our agreements, we may be adversely affected both from the inability to collect

amounts due and the cost of enforcing the terms of our contracts, including litigation. The risk of such negative effects increases with the term length of our customer arrangements. Furthermore, some of our customers may seek bankruptcy protection or other similar relief and fail to pay amounts due to us, or pay those amounts more slowly, either of which could adversely affect our business, results of operations and financial condition.

Because our long-term success depends, in part, on our ability to expand the sales of our products to customers located outside of the United States, our business will be susceptible to risks associated with international operations.

We currently have sales personnel outside the United States and maintain offices outside the United States in the United Kingdom, the Netherlands, Sweden, France, Canada and Australia, and we intend to expand our international operations. In fiscal 2018 and 2019, our international revenue was 15% and 16%, respectively, of our total revenue. Any international expansion efforts that we may undertake may not be successful. In addition, conducting international operations subjects us to new risks, some of which we have not generally faced in the United States. These risks include, among other things:

- unexpected costs and errors in the localization of our products, including translation into foreign languages and adaptation for local practices and regulatory requirements;
- lack of familiarity and burdens of complying with foreign laws, legal standards, privacy standards, regulatory requirements, tariffs and other barriers;
- laws and business practices favoring local competitors or commercial parties;
- costs and liabilities related to compliance with the GDPR and disparate data privacy standards and enforcement;
- greater risk that our foreign employees or partners will fail to comply with U.S. and foreign laws;
- practical difficulties of enforcing intellectual property rights in countries with fluctuating laws and standards and reduced or varied protection for intellectual property rights in some countries;
- restrictive governmental actions focusing on cross-border trade, including taxes, trade laws, tariffs, import and export restrictions or quotas, barriers, sanctions, custom duties or other trade restrictions;
- unexpected changes in legal and regulatory requirements;
- difficulties in managing systems integrators and technology partners;
- differing technology standards;
- longer accounts receivable payment cycles and difficulties in collecting accounts receivable;
- difficulties in managing and staffing international operations and differing employer/employee relationships and local employment laws;
- political, economic and social instability, war, armed conflict or terrorist activities;
- fluctuations in exchange rates that may increase the volatility of our foreign-based revenue; and
- potentially adverse tax consequences, including the complexities of foreign value added tax (or other tax) systems and restrictions on the repatriation of earnings.

Additionally, operating in international markets also requires significant management attention and financial resources. We cannot be certain that the investment and additional resources required in establishing operations in other countries will produce desired levels of revenue or profitability.

We have not engaged in currency hedging activities to limit risk of exchange rate fluctuations. Changes in exchange rates affect our costs and earnings, and may also affect the book value of our assets located outside the United States and the amount of our stockholders' equity.

We have limited experience in marketing, selling and supporting our platform abroad. Our limited experience in operating our business internationally increases the risk that any potential future expansion efforts that we may undertake will not be successful. If we invest substantial time and resources to expand our international operations and are unable to do so successfully and in a timely manner, our business and results of operations will suffer.

Our international operations may give rise to potentially adverse tax consequences.

We are expanding our international operations and staff to better support our growth into the international markets. Our corporate structure and associated transfer pricing policies anticipate future growth into the international markets. The amount of taxes we pay in different jurisdictions may depend on the application of the tax laws of the various jurisdictions, including the United States, to our international business activities, changes in tax rates, new or revised tax laws or interpretations of existing tax laws and policies and our ability to operate our business in a manner consistent with our corporate structure and intercompany arrangements. The taxing authorities of the jurisdictions in which we operate may challenge our methodologies for pricing intercompany transactions, which are generally required to be computed on an arm's-length basis pursuant to intercompany arrangements or disagree with our determinations as to the income and expenses attributable to specific jurisdictions. If such a challenge or disagreement were to occur, and our position was not sustained, we could be required to pay additional taxes, interest and penalties, which could result in one-time tax charges, higher effective tax rates, reduced cash flows and lower overall profitability of our operations. Our financial statements could fail to reflect adequate reserves to cover such a contingency.

Changes in tax laws or regulations in the various tax jurisdictions we are subject to that are applied adversely to us or our customers could increase the costs of our products and harm our business.

New income, sales, use or other tax laws, statutes, rules, regulations or ordinances could be enacted at any time. Those enactments could harm our domestic and international business operations, and our business and financial performance. Further, existing tax laws, statutes, rules, regulations or ordinances could be interpreted, changed, modified or applied adversely to us. These events could require us or our customers to pay additional tax amounts on a prospective or retroactive basis, as well as require us or our customers to pay fines and/or penalties and interest for past amounts deemed to be due. If we raise our prices to offset the costs of these changes, existing and potential future customers may elect not to purchase our products in the future. Additionally, new, changed, modified or newly interpreted or applied tax laws could increase our customers' and our compliance, operating and other costs, as well as the costs of our products. Further, these events could decrease the capital we have available to operate our business. Any or all of these events could harm our business and financial performance.

As a multinational organization, we may be subject to taxation in several jurisdictions around the world with increasingly complex tax laws, the application of which can be uncertain. The amount of taxes we pay in these jurisdictions could increase substantially as a result of changes in the applicable tax principles, including increased tax rates, new tax laws or revised interpretations of existing tax laws and precedents, which could harm our liquidity and results of operations. In addition, the authorities in these jurisdictions could review our tax returns and impose additional tax, interest and penalties, and the authorities could claim that various withholding requirements apply to us or our subsidiaries or assert that benefits of tax treaties are not available to us or our subsidiaries, any of which could harm us and our results of operations.

We depend on our executive officers and other key employees, and the loss of one or more of these employees or an inability to attract and retain other highly skilled employees could harm our business.

Our success depends largely upon the continued services of our executive officers and other key employees. We rely on our leadership team in the areas of research and development, operations, security,

marketing, sales, customer support, general and administrative functions, and on individual contributors in our research and development and operations functions. From time to time, there may be changes in our executive management team resulting from the hiring or departure of executives, which could disrupt our business. We do not have employment agreements with our executive officers or other key personnel that require them to continue to work for us for any specified period and, therefore, they could terminate their employment with us at any time. The loss of one or more of our executive officers or key employees, and any failure to have in place and execute an effective succession plan for key executives, could harm our business. Changes in our executive management team may also cause disruptions in, and harm to, our business.

In addition, to execute our growth plan, we must attract and retain highly qualified personnel. Competition for these personnel in the San Francisco Bay Area, where our headquarters is located, and in other locations where we maintain offices, is intense, especially for engineers experienced in designing and developing software and SaaS applications and experienced sales professionals. We have from time to time experienced, and we expect to continue to experience, difficulty in hiring and retaining employees with appropriate qualifications, and may not be able to fill positions in the desired regions, or at all. Many of the companies with which we compete for experienced personnel have greater resources than we have. If we hire employees from competitors or other companies, their former employers may attempt to assert that these employees or we have breached their legal obligations, resulting in a diversion of our time and resources. In addition, job candidates and existing employees often consider the value of the equity awards they receive in connection with their employment. If the perceived value of our equity awards declines, it may harm our ability to recruit and retain highly skilled employees. If we fail to attract new personnel or fail to retain and motivate our current personnel, our business and future growth prospects could be harmed.

Our management team has limited experience managing a public company.

Most members of our management team have limited experience managing a publicly-traded company, interacting with public company investors, and complying with the increasingly complex laws pertaining to public companies. Our management team may not successfully or efficiently manage us as a public company that is subject to significant regulatory oversight and reporting obligations under the federal securities laws and the continuous scrutiny of securities analysts and investors. These new obligations and constituents require significant attention from our senior management and could divert their attention away from the day-to-day management of our business, which could harm our business, results of operations and financial condition.

Our failure to raise additional capital or generate cash flows necessary to expand our operations and invest in new technologies in the future could reduce our ability to compete successfully and harm our results of operations.

We may need to raise additional funds, and we may not be able to obtain additional debt or equity financing on favorable terms, if at all. If we raise additional equity financing, our security holders may experience significant dilution of their ownership interests. If we engage in additional debt financing, we may be required to accept terms that restrict our ability to incur additional indebtedness, force us to maintain specified liquidity or other ratios or restrict our ability to pay dividends or make acquisitions. If we need additional capital and cannot raise it on acceptable terms, or at all, we may not be able to, among other things:

- develop and enhance our products;
- continue to expand our product development, sales and marketing organizations;
- hire, train and retain employees;
- respond to competitive pressures or unanticipated working capital requirements; or
- pursue acquisition opportunities.

Our inability to do any of the foregoing could reduce our ability to compete successfully and harm our business, results of operations and financial condition.

If we fail to maintain an effective system of disclosure controls and internal control over financial reporting, our ability to produce timely and accurate financial statements or comply with applicable regulations could be impaired.

The Sarbanes-Oxley Act requires, among other things, that we maintain effective disclosure controls and procedures and internal control over financial reporting. In order to maintain the effectiveness of our disclosure controls and procedures and internal control over financial reporting, we have expended, and anticipate that we will continue to expend, significant resources, including accounting-related costs and significant management oversight. If any of these new or improved controls and systems do not perform as expected, we may experience material weaknesses or significant deficiencies in our controls.

Our controls may become inadequate because of changes in conditions in our business. Further, weaknesses in our disclosure controls and internal control over financial reporting may be discovered in the future. Any failure to maintain effective controls could harm our results of operations or cause us to fail to meet our reporting obligations and may result in a restatement of our financial statements for prior periods. Any failure to maintain effective internal control over financial reporting also could adversely affect the results of periodic management evaluations and annual independent registered public accounting firm attestation reports regarding the effectiveness of our internal control over financial reporting that we are required to include in our periodic reports that are filed with the Securities and Exchange Commission (the SEC). Ineffective disclosure controls and procedures and internal control over financial reporting could also cause investors to lose confidence in our reported financial and other information, which would likely have a negative effect on the trading price of our Class A common stock. In addition, if we are unable to continue to meet these requirements, we may not be able to remain listed on the NASDAQ. We are required to provide an annual management report on the effectiveness of our internal control over financial reporting.

Our independent registered public accounting firm is required to formally attest to the effectiveness of our internal control over financial reporting annually. Our independent registered public accounting firm may issue a report that is adverse in the event it is not satisfied with the level at which our internal control over financial reporting is documented, designed, or operating. Any failure to maintain effective disclosure controls and internal control over financial reporting could harm our business and results of operations and could cause a decline in the price of our Class A common stock.

Changes in existing financial accounting standards or practices, or taxation rules or practices, may harm our results of operations.

Changes in existing accounting or taxation rules or practices, new accounting pronouncements or taxation rules, or varying interpretations of current accounting pronouncements or taxation practice could harm our results of operations or the manner in which we conduct our business. Further, such changes could potentially affect our reporting of transactions completed before such changes are effective.

GAAP is subject to interpretation by the Financial Accounting Standards Board, the SEC and various bodies formed to promulgate and interpret appropriate accounting principles. A change in these principles or interpretations could have a significant effect on our reported financial results, and could affect the reporting of transactions completed before the announcement of a change. For example, in May 2014 the Financial Accounting Standards Board issued Accounting Standards Update No. 2014-09, *Revenue from Contracts with Customers (Topic 606) (ASU 2014-09)*, for which certain elements may impact our accounting for revenue and costs incurred to acquire contracts. Under this new standard, revenue is recognized when a customer obtains control of promised goods or services and is recognized in an amount that reflects the consideration which the entity expects to receive in exchange for those goods or services. We adopted this new standard on February 1, 2018, and the adoption did not have a material impact on revenue. The primary impact of the adoption relates to the treatment of the costs incurred to acquire contracts. Refer to Note 2 to our consolidated financial statements included elsewhere in this Annual Report on Form 10-K for additional information on the new standard and a summary of adjustments to amounts previously reported. Adoption of such new standards and any difficulties in

implementation of changes in accounting principles, including the ability to modify our accounting systems, could cause us to fail to meet our financial reporting obligations, which could result in regulatory discipline and harm investors' confidence in us.

If our estimates or judgments relating to our critical accounting policies prove to be incorrect, our results of operations could be adversely affected.

The preparation of financial statements in conformity with GAAP requires management to make estimates and assumptions that affect the amounts reported in our consolidated financial statements and accompanying notes. We base our estimates on historical experience and on various other assumptions that we believe to be reasonable under the circumstances, as provided in the section titled "Management's Discussion and Analysis of Financial Condition and Results of Operations." The results of these estimates form the basis for making judgments about the carrying values of assets, liabilities and equity, and the amount of revenue and expenses that are not readily apparent from other sources. Significant assumptions and estimates used in preparing our consolidated financial statements include those related to revenue recognition, capitalized internal-use software costs, leases, income taxes, non-income taxes, business combination and valuation of goodwill and purchased intangible assets and stock-based compensation. Our results of operations may be adversely affected if our assumptions change or if actual circumstances differ from those in our assumptions, which could cause our results of operations to fall below the expectations of securities analysts and investors, resulting in a decline in the trading price of our Class A common stock.

Catastrophic events may disrupt our business.

Natural disasters or other catastrophic events may cause damage or disruption to our operations, international commerce and the global economy, and thus could harm our business. We have a large employee presence in San Francisco, California and the west coast of the United States contains active earthquake zones. In the event of a major earthquake, hurricane or catastrophic event such as fire, power loss, telecommunications failure, vandalism, cyber-attack, war or terrorist attack, we may be unable to continue our operations and may endure system interruptions, reputational harm, delays in our application development, lengthy interruptions in our products, breaches of data security and loss of critical data, all of which could harm our business, results of operations and financial condition. In addition, the insurance we maintain may be insufficient to cover our losses resulting from disasters, cyber-attacks or other business interruptions, and any incidents may result in loss of, or increased costs of, such insurance.

We may be subject to liability claims if we breach our contracts and our insurance may be inadequate to cover our losses.

We are subject to numerous obligations in our contracts with our customers and partners. Despite the procedures, systems and internal controls we have implemented to comply with our contracts, we may breach these commitments, whether through a weakness in these procedures, systems and internal controls, negligence or the willful act of an employee or contractor. Our insurance policies, including our errors and omissions insurance, may be inadequate to compensate us for the potentially significant losses that may result from claims arising from breaches of our contracts, disruptions in our service, including those caused by cybersecurity incidents, failures or disruptions to our infrastructure, catastrophic events and disasters or otherwise. In addition, such insurance may not be available to us in the future on economically reasonable terms, or at all. Further, our insurance may not cover all claims made against us and defending a suit, regardless of its merit, could be costly and divert management's attention.

Exposure to political developments in the United Kingdom, including the outcome of the U.K. referendum on membership in the EU, could harm us.

On June 23, 2016, a referendum was held on the United Kingdom's membership in the European Union, the outcome of which was a vote in favor of leaving the European Union. The United Kingdom's vote to leave

the European Union creates an uncertain political and economic environment in the United Kingdom and potentially across other EU member states, which may last for a number of months or years.

The result of the referendum means that the long-term nature of the United Kingdom's relationship with the European Union is unclear and that there is considerable uncertainty as to when any such relationship will be agreed and implemented. The political and economic instability created by the United Kingdom's vote to leave the European Union has caused and may continue to cause significant volatility in global financial markets and the value of the British Pound or other currencies, including the Euro. In addition, this uncertainty may cause some of our customers or potential customers to curtail or delay spending, and any exit from the European Union may result in new regulatory and cost challenges to our United Kingdom and global operations. The outcome of the referendum has also created uncertainty with regard to the regulation of data protection in the United Kingdom. In particular, it is unclear how the United Kingdom's vote to leave the European Union will affect the United Kingdom's enactment of the European General Data Protection Regulation, and how data transfers to and from the United Kingdom will be regulated. Depending on the terms reached regarding any exit from the European Union, it is possible that there may be adverse practical or operational implications on our business.

Our business may be subject to additional obligations to collect and remit sales tax and other taxes, and we may be subject to tax liability for past sales. Any successful action by state, foreign or other authorities to collect additional or past sales tax could harm our business.

States and some local taxing jurisdictions have differing rules and regulations governing sales and use taxes, and these rules and regulations are subject to varying interpretations that may change over time. In particular, the applicability of sales taxes to our platform in various jurisdictions is unclear. It is possible that we could face sales tax audits and that our liability for these taxes could exceed our estimates as state tax authorities could still assert that we are obligated to collect additional amounts as taxes from our customers and remit those taxes to those authorities. We could also be subject to audits in states and international jurisdictions for which we have not accrued tax liabilities. A successful assertion that we should be collecting additional sales or other taxes on our service in jurisdictions where we have not historically done so and do not accrue for sales taxes could result in substantial tax liabilities for past sales, discourage customers from purchasing our products or otherwise harm our business, results of operations and financial condition.

We file sales tax returns in certain states within the United States as required by law and certain customer contracts for a portion of the products that we provide. We do not collect sales or other similar taxes in other states and many of such states do not apply sales or similar taxes to the vast majority of the products that we provide. However, one or more states or foreign authorities could seek to impose additional sales, use or other tax collection and record-keeping obligations on us or may determine that such taxes should have, but have not been, paid by us. Liability for past taxes may also include substantial interest and penalty charges. Any successful action by state, foreign or other authorities to compel us to collect and remit sales tax, use tax or other taxes, either retroactively, prospectively or both, could harm our business, results of operations and financial condition.

Our ability to use our net operating loss carry-forwards and certain other tax attributes may be limited.

Under Section 382 of the Internal Revenue Code of 1986, as amended, or the Code, if a corporation undergoes an "ownership change," generally defined as a greater than 50% change (by value) in its equity ownership over a three year period, the corporation's ability to use its pre-change net operating loss carry-forwards and other pre-change tax attributes, such as research tax credits and distributed interest deduction carryover, to offset its post-change income may be limited. We have experienced ownership changes in the past and any such ownership change in the future could result in increased future tax liability. In addition, we may experience ownership changes in the future as a result of subsequent shifts in our stock ownership. As a result, if we earn net taxable income, our ability to use our pre-change net operating loss carry-forwards to offset U.S. federal taxable income may be subject to limitations, which could potentially result in increased future tax liability to us.

In addition, on December 22, 2017, the U.S. government enacted new tax legislation commonly referred to as the Tax Cuts and Jobs Act (the “Tax Act”). The Tax Act makes broad and complex changes to the U.S. tax code, including changes to the uses and limitations of net operating losses. For example, while the Tax Act allows for federal net operating losses incurred during our taxable year ended January 31, 2018 to be carried forward indefinitely, the Tax Act also imposes an 80% limitation, and indefinite carryforward, on our net operating losses generated during our taxable year ended January 31, 2019, and forward. Furthermore, our ability to utilize our net operating losses is conditioned upon generating future U.S. federal taxable income. Since we do not know whether or when we will generate the U.S. federal taxable income necessary to utilize our remaining net operating losses, these net operating loss carryforwards generated prior to our tax year ended January 31, 2018 could expire unused.

Risks Related to Ownership of Our Class A Common Stock

The stock price of our Class A common stock may be volatile or may decline.

Prior to our IPO, there was no public market for shares of our Class A common stock. The market prices of the securities of other newly public companies have historically been highly volatile, and our stock price has been volatile since our IPO. The market price of our Class A common stock may fluctuate significantly in response to numerous factors, many of which are beyond our control, including, but not limited to:

- overall performance of the equity markets and/or publicly-listed technology companies;
- actual or anticipated fluctuations in our revenue or other financial or operating metrics;
- changes in the financial projections we provide to the public or our failure to meet these projections;
- failure of securities analysts to initiate or maintain coverage of us, changes in financial estimates and/or recommendations by any securities analysts who follow our company;
- our failure to meet the estimates or the expectations of securities analysts or investors;
- recruitment or departure of key personnel;
- significant security breaches, technical difficulties or interruptions of our service;
- the economy as a whole and market conditions in our industry;
- rumors and market speculation involving us or other companies in our industry;
- announcements by us or our competitors of significant innovations, acquisitions, strategic partnerships, joint ventures, or capital commitments;
- new laws or regulations or new interpretations of existing laws or regulations applicable to our business;
- lawsuits threatened or filed against us;
- other events or factors, including those resulting from war, incidents of terrorism, or responses to these events; and
- sales of additional shares of our Class A common stock by us, our directors, our officers or our stockholders.

In addition, stock markets have experienced extreme price and volume fluctuations that have affected and continue to affect the market prices of equity securities of many companies. Stock prices of many companies have fluctuated in a manner unrelated or disproportionate to the operating performance of those companies. In

the past, stockholders have instituted securities class action litigation following periods of market volatility. If we were to become involved in securities litigation, it could subject us to substantial costs, divert resources and the attention of management from our business, and harm our business.

The dual class structure of our common stock has the effect of concentrating voting control with those stockholders who held our capital stock prior to the completion of our IPO, including our directors, executive officers, and their affiliates, who held in the aggregate 54.8% of the voting power of our capital stock as of January 31, 2019. This will limit or preclude your ability to influence corporate matters, including the election of directors, amendments of our organizational documents, and any merger, consolidation, sale of all or substantially all of our assets, or other major corporate transaction requiring stockholder approval.

Our Class B common stock has ten votes per share, and our Class A common stock has one vote per share. As of January 31, 2019, our directors, executive officers, and their affiliates, held in the aggregate 54.8% of the voting power of our capital stock. Because of the ten-to-one voting ratio between our Class B and Class A common stock, the holders of our Class B common stock collectively could continue to control a majority of the combined voting power of our common stock and therefore be able to control all matters submitted to our stockholders for approval until April 12, 2027, the date that is the ten year anniversary of the closing of our IPO. This concentrated control may limit or preclude your ability to influence corporate matters for the foreseeable future, including the election of directors, amendments of our organizational documents, and any merger, consolidation, sale of all or substantially all of our assets, or other major corporate transaction requiring stockholder approval. In addition, this may prevent or discourage unsolicited acquisition proposals or offers for our capital stock that you may feel are in your best interest as one of our stockholders.

Future transfers by holders of Class B common stock will generally result in those shares converting to Class A common stock, subject to limited exceptions, such as certain transfers effected for estate planning purposes. The conversion of Class B common stock to Class A common stock will have the effect, over time, of increasing the relative voting power of those holders of Class B common stock who have retained their shares.

Sales of a substantial number of shares of our Class A common stock in the public markets, or the perception that sales might occur, could cause the market price of our Class A common stock to decline.

Sales of a substantial number of shares of our Class A common stock into the public market, particularly sales by our directors, executive officers, and principal stockholders, or the perception that these sales might occur, could cause the market price of our Class A common stock to decline.

In addition, we have options outstanding that, if fully exercised, would result in the issuance of shares of our Class A and Class B common stock. We also have restricted stock units, or RSUs, outstanding that, if vested and settled, would result in the issuance of shares of Class A common stock. All of the shares of Class A and Class B common stock issuable upon the exercise of stock options and vesting of RSUs and the shares reserved for future issuance under our equity incentive plans, are registered for public resale under the Securities Act. Accordingly, these shares will be able to be freely sold in the public market upon issuance, subject to applicable vesting requirements.

Furthermore, a substantial number of shares of our Class A common stock is reserved for issuance upon the exercise of the 2023 Notes (as defined below) and the warrants issued at the time of the issuance of the 2023 Notes. If we elect to satisfy our conversion obligation on the 2023 Notes solely in shares of our Class A common stock upon conversion of the notes, we will be required to deliver the shares of our Class A common stock, together with cash for any fractional share, on the second business day following the relevant conversion date.

The requirements of being a public company may strain our resources, divert management's attention, and affect our ability to attract and retain executive management and qualified board members.

We are subject to the reporting requirements of the Exchange Act of 1934, as amended (the Exchange Act), the listing standards of NASDAQ and other applicable securities rules and regulations. We expect that the

requirements of these rules and regulations will continue to increase our legal, accounting, and financial compliance costs, make some activities more difficult, time-consuming, and costly, and place significant strain on our personnel, systems, and resources. For example, the Exchange Act requires, among other things, that we file annual, quarterly and current reports with respect to our business and results of operations. As a result of the complexity involved in complying with the rules and regulations applicable to public companies, our management's attention may be diverted from other business concerns, which could harm our business, results of operations and financial condition. Although we have already hired additional employees to assist us in complying with these requirements, we may need to hire more employees in the future or engage outside consultants, which will increase our operating expenses.

In addition, changing laws, regulations and standards relating to corporate governance and public disclosure are creating uncertainty for public companies, increasing legal and financial compliance costs, and making some activities more time-consuming. These laws, regulations and standards are subject to varying interpretations, in many cases due to their lack of specificity, and, as a result, their application in practice may evolve over time as new guidance is provided by regulatory and governing bodies. This could result in continuing uncertainty regarding compliance matters and higher costs necessitated by ongoing revisions to disclosure and governance practices. We intend to invest substantial resources to comply with evolving laws, regulations and standards, and this investment may result in increased general and administrative expenses and a diversion of management's time and attention from business operations to compliance activities. If our efforts to comply with new laws, regulations and standards differ from the activities intended by regulatory or governing bodies due to ambiguities related to their application and practice, regulatory authorities may initiate legal proceedings against us and our business may be harmed.

We also expect that being a public company and these new rules and regulations will make it more expensive for us to obtain director and officer liability insurance, and we may be required to accept reduced coverage or incur substantially higher costs to obtain coverage. These factors could also make it more difficult for us to attract and retain qualified members of our board of directors, particularly to serve on our audit committee and compensation committee, and qualified executive officers.

As a result of disclosure of information in filings required of a public company, our business and financial condition will become more visible, which may result in an increased risk of threatened or actual litigation, including by competitors and other third parties. If such claims are successful, our business and results of operations could be harmed, and even if the claims do not result in litigation or are resolved in our favor, these claims, and the time and resources necessary to resolve them, could divert the resources of our management and harm our business, results of operations and financial condition.

If securities or industry analysts do not publish or cease publishing research, or publish inaccurate or unfavorable research, about our business, the price of our Class A common stock and trading volume could decline.

The trading market for our Class A common stock will depend in part on the research and reports that securities or industry analysts publish about us or our business. If industry analysts do not publish or cease publishing research on our company, the trading price for our Class A common stock would be negatively affected. If one or more of the analysts who cover us downgrade our Class A common stock or publish inaccurate or unfavorable research about our business, our Class A common stock price would likely decline. If one or more of these analysts cease coverage of us or fail to publish reports on us on a regular basis, demand for our Class A common stock could decrease, which might cause our Class A common stock price and trading volume to decline.

We do not intend to pay dividends for the foreseeable future.

We have never declared or paid any cash dividends on our common stock and do not intend to pay any cash dividends in the foreseeable future. We anticipate that we will retain all of our future earnings for use in the

operation of our business and for general corporate purposes. Any determination to pay dividends in the future will be at the discretion of our board of directors. Accordingly, investors must rely on sales of their Class A common stock after price appreciation, which may never occur, as the only way to realize any future gains on their investments.

Provisions in our charter documents and under Delaware law could make an acquisition of our company more difficult, limit attempts by our stockholders to replace or remove our current board of directors, and limit the market price of our Class A common stock.

Provisions in our amended and restated certificate of incorporation and amended and restated bylaws may have the effect of delaying or preventing a change of control or changes in our management. Our amended and restated certificate of incorporation and amended and restated bylaws include provisions that:

- provide that our board of directors is classified into three classes of directors with staggered three-year terms;
- permit the board of directors to establish the number of directors and fill any vacancies and newly-created directorships;
- require super-majority voting to amend some provisions in our amended and restated certificate of incorporation and amended and restated bylaws;
- authorize the issuance of “blank check” preferred stock that our board of directors could use to implement a stockholder rights plan;
- provide that only the Chairperson of our board of directors, our Chief Executive Officer, or a majority of our board of directors are authorized to call a special meeting of stockholders;
- provide for a dual class common stock structure in which holders of our Class B common stock have the ability to control the outcome of matters requiring stockholder approval, even if they own significantly less than a majority of the outstanding shares of our Class A and Class B common stock, including the election of directors and significant corporate transactions, such as a merger or other sale of our company or its assets;
- prohibit stockholder action by written consent, which requires all stockholder actions to be taken at a meeting of our stockholders;
- provide that the board of directors is expressly authorized to make, alter or repeal our bylaws; and
- advance notice requirements for nominations for election to our board of directors or for proposing matters that can be acted upon by stockholders at annual stockholder meetings.

Moreover, Section 203 of the Delaware General Corporation Law may discourage, delay, or prevent a change in control of our company. Section 203 imposes certain restrictions on mergers, business combinations, and other transactions between us and holders of 15% or more of our common stock.

Our amended and restated bylaws designate a state or federal court located within the State of Delaware as the exclusive forum for certain litigation that may be initiated by our stockholders, which could limit stockholders’ ability to obtain a favorable judicial forum for disputes with us.

Our amended and restated bylaws provide that the Court of Chancery of the State of Delaware will be the exclusive forum for:

- any derivative action or proceeding brought on our behalf;

- any action asserting a breach of fiduciary duty;
- any action asserting a claim against us arising pursuant to the Delaware General Corporation Law, our amended and restated certificate of incorporation, or our amended and restated bylaws; or
- or any action asserting a claim against us that is governed by the internal affairs doctrine.

This choice of forum provision may limit a stockholder's ability to bring a claim in a judicial forum that it finds favorable for disputes with us or any of our directors, officers, or other employees, which may discourage lawsuits with respect to such claims. Alternatively, if a court were to find the choice of forum provision contained in our amended and restated certificate of incorporation to be inapplicable or unenforceable in an action, we may incur additional costs associated with resolving such action in other jurisdictions, which could harm our business, results of operations and financial condition.

Risks Related to our Outstanding Convertible Notes

Servicing our debt may require a significant amount of cash. We may not have sufficient cash flow from our business to pay our indebtedness, and we may not have the ability to raise the funds necessary to settle for cash conversions of the 2023 Notes or to repurchase the 2023 Notes for cash upon a fundamental change, which could adversely affect our business and results of operations.

In February 2018, we issued \$345.0 million aggregate principal amount of the 2023 Notes in a private offering. The interest rate is fixed at 0.25% per annum and is payable semi-annually in arrears on February 15 and August 15 of each year, beginning on August 15, 2018. Our ability to make scheduled payments of the principal of, to pay interest on or to refinance our indebtedness, including the 2023 Notes, depends on our future performance, which is subject to economic, financial, competitive and other factors beyond our control. Our business may not generate cash flow from operations in the future sufficient to service our debt and make necessary capital expenditures. If we are unable to generate such cash flow, we may be required to adopt one or more alternatives, such as selling assets, restructuring debt or obtaining additional debt financing or equity capital on terms that may be onerous or highly dilutive. Our ability to refinance any future indebtedness will depend on the capital markets and our financial condition at such time. We may not be able to engage in any of these activities or engage in these activities on desirable terms, which could result in a default on our debt obligations. In addition, any of our future debt agreements may contain restrictive covenants that may prohibit us from adopting any of these alternatives. Our failure to comply with these covenants could result in an event of default which, if not cured or waived, could result in the acceleration of our debt.

In addition, holders of the 2023 Notes have the right to require us to repurchase their 2023 Notes upon the occurrence of a fundamental change (as defined in the indenture governing the 2023 Notes) at a repurchase price equal to 100% of the principal amount of the 2023 Notes to be repurchased, plus accrued and unpaid interest, if any. Upon conversion of the 2023 Notes, unless we elect to deliver solely shares of our Class A common stock to settle such conversion (other than paying cash in lieu of delivering any fractional share), we will be required to make cash payments in respect of the 2023 Notes being converted. We may not have enough available cash or be able to obtain financing at the time we are required to make repurchases of 2023 Notes surrendered therefor or 2023 Notes being converted. In addition, our ability to repurchase the 2023 Notes or to pay cash upon conversions of the 2023 Notes may be limited by law, by regulatory authority or by agreements governing our future indebtedness. Our failure to repurchase 2023 Notes at a time when the repurchase is required by the indenture governing the notes or to pay any cash payable on future conversions of the 2023 Notes as required by such indenture would constitute a default under such indenture. A default under the indenture or the fundamental change itself could also lead to a default under agreements governing our future indebtedness. If the repayment of the related indebtedness were to be accelerated after any applicable notice or grace periods, we may not have sufficient funds to repay the indebtedness and repurchase the 2023 Notes or make cash payments upon conversions thereof.

In addition, our indebtedness, combined with our other financial obligations and contractual commitments, could have other important consequences. For example, it could:

- make us more vulnerable to adverse changes in general U.S. and worldwide economic, industry and competitive conditions and adverse changes in government regulation;
- limit our flexibility in planning for, or reacting to, changes in our business and our industry;
- place us at a disadvantage compared to our competitors who have less debt;
- limit our ability to borrow additional amounts to fund acquisitions, for working capital and for other general corporate purposes; and
- make an acquisition of our company less attractive or more difficult.

Any of these factors could harm our business, results of operations and financial condition. In addition, if we incur additional indebtedness, the risks related to our business and our ability to service or repay our indebtedness would increase.

The conditional conversion feature of the 2023 Notes, if triggered, may adversely affect our financial condition and results of operations.

In the event the conditional conversion feature of the 2023 Notes is triggered, holders of 2023 Notes will be entitled to convert the 2023 Notes at any time during specified periods at their option. If one or more holders elect to convert their 2023 Notes, unless we elect to satisfy our conversion obligation by delivering solely shares of our Class A common stock (other than paying cash in lieu of delivering any fractional share), we would be required to settle a portion or all of our conversion obligation through the payment of cash, which could adversely affect our liquidity. As disclosed in Note 9 to our consolidated financial statements, the conditional conversion feature of the 2023 Notes was triggered as of January 31, 2019, and the 2023 Notes are currently convertible at the option of the holders, in whole or in part, between February 1, 2019 through April 30, 2019. Whether the 2023 Notes will be convertible following such fiscal quarter will depend on the continued satisfaction of this condition or another conversion condition in the future.

In addition, even if holders do not elect to convert their 2023 Notes, we could be required under applicable accounting rules to reclassify all or a portion of the outstanding principal of the notes as a current rather than long-term liability, which would result in a material reduction of our net working capital.

Transactions relating to our 2023 Notes may affect the value of our Class A common stock.

The conversion of some or all of the 2023 Notes would dilute the ownership interests of existing stockholders to the extent we satisfy our conversion obligation by delivering shares of our Class A common stock upon any conversion of such 2023 Notes. Our 2023 Notes may become in the future convertible at the option of their holders under certain circumstances. If holders of our 2023 Notes elect to convert their notes, we may settle our conversion obligation by delivering to them a significant number of shares of our Class A common stock, which would cause dilution to our existing stockholders.

In addition, in connection with the issuance of the 2023 Notes, we entered into convertible note hedge transactions with certain financial institutions (the Option Counterparties). We also entered into warrant transactions with the Option Counterparties pursuant to which we sold warrants for the purchase of our Class A common stock. The convertible note hedge transactions are expected generally to reduce the potential dilution to our Class A common stock upon any conversion or settlement of the 2023 Notes and/or offset any cash payments we are required to make in excess of the principal amount of converted 2023 Notes, as the case may be. The warrant transactions could separately have a dilutive effect to the extent that the market price per share of our Class A common stock exceeds the strike price of any warrants unless, subject to the terms of the warrant transactions, we elect to cash settle the warrants.

From time to time, the Option Counterparties or their respective affiliates may modify their hedge positions by entering into or unwinding various derivative transactions with respect to our Class A common stock and/or purchasing or selling our Class A common stock or other securities of ours in secondary market transactions prior to the maturity of the 2023 Notes. This activity could cause a decrease in the market price of our Class A common stock.

The accounting method for convertible debt securities that may be settled in cash, such as the 2023 Notes, could have a material effect on our reported financial results.

Under Financial Accounting Standards Board Accounting Standards Codification 470-20, *Debt with Conversion and Other Options*, which we refer to as ASC 470-20, an entity must separately account for the liability and equity components of convertible debt instruments (such as the 2023 Notes) that may be settled entirely or partially in cash upon conversion in a manner that reflects the issuer's economic interest cost. ASC 470-20 requires the value of the conversion option of the 2023 Notes, representing the equity component, to be recorded as additional paid-in capital within stockholders' equity in our consolidated balance sheet and as a discount to the 2023 Notes, which reduces their initial carrying value. The carrying value of the 2023 Notes, net of the discount recorded, will be accreted up to the principal amount of the 2023 Notes from the issuance date until maturity, which will result in non-cash charges to interest expense in our consolidated statement of operations. Accordingly, we will report lower net income or higher net loss in our financial results because ASC 470-20 requires interest to include both the current period's accretion of the debt discount and the instrument's coupon interest, which could adversely affect our reported or future financial results, the trading price of our Class A common stock and the trading price of the 2023 Notes.

In addition, under certain circumstances, convertible debt instruments (such as the 2023 Notes) that may be settled entirely or partly in cash are currently accounted for utilizing the treasury stock method, the effect of which is that the shares issuable upon conversion of the 2023 Notes are not included in the calculation of diluted earnings per share except to the extent that the conversion value of the 2023 Notes exceeds their principal amount. Under the treasury stock method, for diluted earnings per share purposes, the transaction is accounted for as if the number of shares of Class A common stock that would be necessary to settle such excess, if we elected to settle such excess in shares, are issued. We cannot be sure that the accounting standards in the future will continue to permit the use of the treasury stock method. If we are unable to use the treasury stock method in accounting for the shares issuable upon conversion of the 2023 Notes, then our diluted earnings per share would be harmed.

Item 1B. Unresolved Staff Comments

None.

Item 2. Properties

Our corporate headquarters is located in San Francisco, California, where we currently lease approximately 207,066 square feet under a lease that expires in October 2028. The Company is entitled to two five-year options to extend this lease, subject to certain requirements.

We also lease facilities in Bellevue, Washington; San Jose, California; Washington, D.C., Toronto, Canada; London, United Kingdom; and Sydney, Australia. These office leases expire on various dates through August 2024.

We believe that our facilities are suitable to meet our current needs. We intend to expand our facilities or add new facilities as we add employees and enter new geographic markets, and we believe that suitable additional or alternative space will be available as needed to accommodate any such growth.

Item 3. Legal Proceedings

From time to time in the normal course of business, the Company may be subject to various legal matters such as threatened or pending claims or proceedings. There were no material such matters as of January 31, 2019.

Item 4. Mine Safety Disclosures

Not Applicable.

Part II

Item 5. Market for Registrant’s Common Equity, Related Stockholder Matters and Issuer Purchases of Equity Securities

Market Price of Our Class A Common Stock

Our Class A common stock has been listed on the NASDAQ Global Select Market under the symbol “OKTA” since April 7, 2017. Prior to that date, there was no public trading market for our Class A common stock.

As of February 28, 2019, we had 111 holders of record of our Class A and Class B common stock. The actual number of stockholders is greater than this number of record holders and includes stockholders who are beneficial owners but whose shares are held in street name by brokers and other nominees.

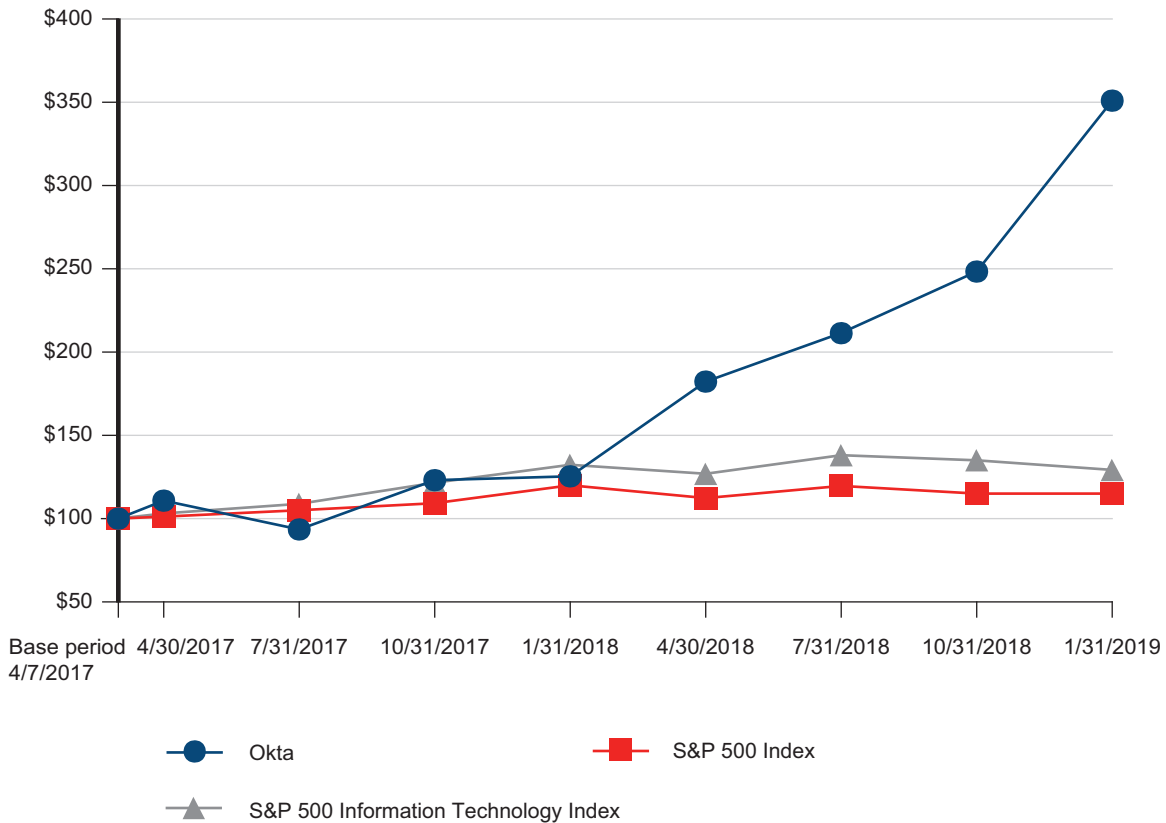
Dividend Policy

We have never declared or paid cash dividends on our capital stock. We currently intend to retain any future earnings for use in the operation of our business and do not intend to declare or pay any cash dividends in the foreseeable future. Any further determination to pay dividends on our capital stock will be at the discretion of our board of directors, subject to applicable laws, and will depend on our financial condition, results of operations, capital requirements, general business conditions and other factors that our board of directors considers relevant.

Stock Performance Graph

This performance graph shall not be deemed “soliciting material” or to be “filed” with the SEC for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or otherwise subject to the liabilities under that Section, and shall not be deemed to be incorporated by reference into any filing of Okta Inc. under the Securities Act or the Exchange Act.

We have presented below the cumulative total return to our stockholders from April 7, 2017 (the date our Class A common stock commenced trading on the NASDAQ) through January 31, 2019 in comparison to the Standard & Poor's 500 Index and Standard & Poor Information Technology Index. All values assume a \$100 initial investment and data for the Standard & Poor's 500 Index and Standard & Poor Information Technology Index assume reinvestment of dividends. The comparisons are based on historical data and are not indicative of, nor intended to forecast, the future performance of our Class A common stock.



Company/Index	Base period 4/7/2017	4/30/2017	7/31/2017	10/31/2017	1/31/2018	4/30/2018	7/31/2018	10/31/2018	1/31/2019
Okta	\$ 100.00	\$ 110.80	\$ 93.36	\$ 123.01	\$ 125.27	\$ 182.09	\$ 211.19	\$ 248.23	\$ 350.62
S&P 500 Index	100.00	101.22	104.87	109.33	119.88	112.42	119.56	115.12	114.80
S&P 500 Information Technology Index	\$ 100.00	\$ 103.04	\$ 108.82	\$ 121.68	\$ 132.07	\$ 126.76	\$ 138.02	\$ 134.94	\$ 129.11

Securities Authorized for Issuance under Equity Compensation Plans

The information required by this item with respect to our equity compensation plans is incorporated by reference to our Proxy Statement for the 2019 Annual Meeting of Stockholders to be filed with the Securities and Exchange Commission within 120 days of the fiscal year ended January 31, 2019.

Unregistered Sales of Equity Securities and Use of Proceeds

(a) *Unregistered Sales of Equity Securities*

None.

(b) *Use of Proceeds from Public Offering of Class A Common Stock*

On April 7, 2017, we closed our initial public offering, in which we sold 12,650,000 shares of Class A common stock at a price to the public of \$17.00 per share, including shares sold in connection with the exercise of the underwriters' option to purchase additional shares. The offer and sale of all of the shares in the IPO were registered under the Securities Act pursuant to a registration statement on Form S-1 (File No. 333-216654), which was declared effective by the SEC on April 6, 2017. We raised \$200.0 million in net proceeds after deducting underwriters' discounts and commissions of \$15.1 million and before deducting offering expenses of approximately \$5.6 million. There has been no material change in the planned use of proceeds from our IPO as described in our final prospectus filed with the SEC on April 7, 2017 pursuant to Rule 424(b). The managing underwriters of our IPO were Goldman, Sachs & Co., J.P. Morgan and Allen & Company LLC. No payments were made by us to directors, officers or persons owning ten percent or more of our common stock or to their associates, or to our affiliates, other than payments in the ordinary course of business to officers for salaries and to non-employee directors pursuant to our director compensation policy. Pending the uses described, we have invested or intend to invest the net proceeds in short-term interest-bearing investment-grade securities, certificates of deposit or government securities, pursuant to the investment policy approved by our board of directors.

(c) *Issuer Purchases of Equity Securities*

None.

SELECTED CONSOLIDATED FINANCIAL DATA AND OTHER DATA

The following selected consolidated statements of operations data for the years ended January 31, 2019, 2018 and 2017 and the consolidated balance sheet data as of January 31, 2019 and 2018 have been derived from our audited consolidated financial statements included elsewhere in this Annual Report on Form 10-K. The selected consolidated statements of operations data for the years ended January 31, 2016 and 2015 and the consolidated balance sheet data as of January 31, 2017 and 2016 have been derived from our audited consolidated financial statements not included in this Annual Report on Form 10-K. Our historical results are not necessarily indicative of the results that may be expected in the future. You should read the following selected consolidated financial data and other data below in conjunction with the section titled “Management’s Discussion and Analysis of Financial Condition and Results of Operations” and our consolidated financial statements and related notes included elsewhere in this Annual Report on Form 10-K.

	Year Ended January 31,				
	2019	2018 As Adjusted ⁽²⁾	2017 As Adjusted ⁽²⁾	2016 ⁽²⁾	2015 ⁽²⁾
	(in thousands, except per share data)				
Revenue					
Subscription	\$ 370,855	\$ 236,422	\$ 144,909	\$ 76,443	\$ 38,138
Professional services and other	28,399	20,125	15,897	9,464	2,872
Total revenue	<u>399,254</u>	<u>256,547</u>	<u>160,806</u>	<u>85,907</u>	<u>41,010</u>
Cost of revenue					
Subscription ⁽¹⁾	77,354	52,481	34,211	20,684	9,818
Professional services and other ⁽¹⁾	36,067	28,274	21,738	15,340	8,912
Total cost of revenue	<u>113,421</u>	<u>80,755</u>	<u>55,949</u>	<u>36,024</u>	<u>18,730</u>
Gross profit	285,833	175,792	104,857	49,883	22,280
Operating expenses					
Research and development ⁽¹⁾	102,385	70,821	38,659	28,761	18,370
Sales and marketing ⁽¹⁾	227,960	165,020	110,769	77,915	49,096
General and administrative ⁽¹⁾	75,110	51,803	30,099	19,195	13,596
Total operating expenses	<u>405,455</u>	<u>287,644</u>	<u>179,527</u>	<u>125,871</u>	<u>81,062</u>
Operating loss	(119,622)	(111,852)	(74,670)	(75,988)	(58,782)
Interest expense	(15,072)	—	—	—	—
Other income (expense), net	9,180	1,682	39	(19)	(199)
Loss before provision for (benefit from) income taxes	(125,514)	(110,170)	(74,631)	(76,007)	(58,981)
Provision for (benefit from) income taxes	(17)	(321)	425	295	130
Net loss	<u>\$ (125,497)</u>	<u>\$ (109,849)</u>	<u>\$ (75,056)</u>	<u>\$ (76,302)</u>	<u>\$ (59,111)</u>
Net loss per share:					
Basic and diluted	<u>\$ (1.17)</u>	<u>\$ (1.32)</u>	<u>\$ (3.94)</u>	<u>\$ (4.28)</u>	<u>\$ (3.67)</u>
Weighted-average shares outstanding used to compute net loss per share:					
Basic and diluted	<u>107,504</u>	<u>83,004</u>	<u>19,038</u>	<u>17,817</u>	<u>16,097</u>

(1) Amounts include stock-based compensation expense as follows:

	Year Ended January 31,				
	2019	2018	2017	2016	2015
	(in thousands)				
Cost of subscription revenue	\$ 7,837	\$ 4,600	\$ 1,979	\$ 909	\$ 323
Cost of professional services and other revenue	4,983	3,137	1,283	553	273
Research and development	22,642	18,107	2,992	1,748	912
Sales and marketing	22,916	13,242	6,029	2,853	1,236
General and administrative	17,942	10,774	4,844	3,769	3,836
Total stock-based compensation expense	<u>\$ 76,320</u>	<u>\$ 49,860</u>	<u>\$ 17,127</u>	<u>\$ 9,832</u>	<u>\$ 6,580</u>

(2) The summary consolidated statements of operations data for the years ended January 31, 2019, 2018 and 2017 reflects the adoption of Accounting Standard Update (“ASU”) No. 2014-09, *Revenue from Contracts with Customers* (“Topic 606”). See Note 2 of the notes to the consolidated financial statements for a summary of adjustments. The summary consolidated statement of operations data for the years ended January 31, 2016 and 2015 does not reflect the adoption of Topic 606.

	As of January 31,			
	2019	2018	2017	2016⁽¹⁾
		As Adjusted⁽¹⁾	As Adjusted⁽¹⁾	
	(in thousands)			
Consolidated Balance Sheet Data:				
Cash, cash equivalents and short-term investments	\$ 563,768	\$ 229,714	\$ 37,672	\$ 87,945
Working capital	145,139	129,555	(35,456)	38,528
Total assets	864,335	399,263	155,276	149,763
Deferred revenue, current and non-current portion	254,390	164,779	107,120	79,525
Redeemable convertible preferred stock warrant liability	—	—	304	237
Redeemable convertible preferred stock	—	—	227,954	227,954
Total stockholders’ equity (deficit)	252,377	199,340	(212,361)	(181,062)

(1) The summary consolidated balance sheet data as of January 31, 2019, 2018 and 2017 reflects the adoption of Accounting Standard Update (“ASU”) No. 2014-09, *Revenue from Contracts with Customers* (“Topic 606”). See Note 2 of the notes to the consolidated financial statements for a summary of adjustments. The summary consolidated balance sheet data as of January 31, 2016 does not reflect the adoption of Topic 606.

Other Financial Measures and Key Metrics ⁽¹⁾

Year Ended January 31,

	2019	2018 As Adjusted ⁽²⁾	2017 As Adjusted ⁽²⁾	2016⁽²⁾	2015⁽²⁾
	(dollars in thousands)				
Gross profit	\$ 285,833	\$ 175,792	\$ 104,857	\$ 49,883	\$ 22,280
Non-GAAP gross profit	\$ 299,485	\$ 183,533	\$ 108,309	\$ 51,535	\$ 23,062
Gross margin	72%	69%	65%	58%	54%
Non-GAAP gross margin	75%	72%	67%	60%	56%
Operating loss	\$ (119,622)	\$ (111,852)	\$ (74,670)	\$ (75,988)	\$ (58,782)
Non-GAAP operating loss	\$ (41,462)	\$ (61,234)	\$ (57,353)	\$ (65,935)	\$ (51,247)
Operating margin	(30)%	(44)%	(46)%	(89)%	(143)%
Non-GAAP operating margin	(10)%	(24)%	(36)%	(77)%	(125)%
Net cash used in operating activities	\$ 15,172	\$ (25,240)	\$ (42,101)	\$ (41,536)	\$ (32,749)
Net cash provided by (used in) investing activities	\$ (197,320)	\$ (99,704)	\$ 6,965	\$ 1,160	\$ (48,571)
Net cash provided by financing activities	\$ 357,762	\$ 237,408	\$ 457	\$ 76,841	\$ 77,313
Free cash flow	\$ (6,750)	\$ (37,221)	\$ (53,843)	\$ (48,237)	\$ (35,694)
Customers (period end)	6,100	4,350	3,114	2,225	1,320
Calculated billings	\$ 488,217	\$ 314,934	\$ 194,524	\$ 118,023	\$ 68,100
Dollar-based retention rate for the trailing 12 months ended	120%	121%	123%	120%	129%

⁽¹⁾ A reconciliation for each non-GAAP financial measure is included in the “Non-GAAP Financial Measures” section of Item 7 “Management’s Discussion and Analysis of Financial Condition and Results of Operations” of this Annual Report on Form 10-K.

⁽²⁾ The summary financial data for the years ended January 31, 2019, 2018 and 2017 reflects the adoption of Accounting Standard Update (“ASU”) No. 2014-09, *Revenue from Contracts with Customers* (“Topic 606”). See Note 2 of the notes to the consolidated financial statements for a summary of adjustments. The summary financial data for the years ended January 31, 2016 and 2015 does not reflect the adoption of Topic 606.

Item 7. MANAGEMENT’S DISCUSSION AND ANALYSIS OF FINANCIAL CONDITION AND RESULTS OF OPERATIONS

The following discussion and analysis of our financial condition and results of operations should be read in conjunction with our consolidated financial statements and related notes appearing elsewhere in this Annual Report on Form 10-K. In addition to historical financial information, the following discussion contains forward-looking statements that is based upon current plans, expectations and beliefs that involve risks and uncertainties. Our actual results may differ materially from those anticipated in these forward-looking statements as a result of various factors, including those set forth under the section titled “Risk Factors” under Part I, Item 1A in this Annual Report on Form 10-K. Our fiscal year ends January 31.

Overview

Okta is the leading independent identity management platform for the enterprise. The Okta Identity Cloud is our category-defining platform that enables our customers to securely connect people to technology, anywhere, anytime and from any device. Every day, millions of people use Okta to securely access a wide range of cloud, mobile and web applications, IT infrastructure providers and services from a multitude of devices. Employees and contractors sign into the Okta Identity Cloud to seamlessly and securely access the applications they need to do their most important work. Organizations use our platform to collaborate with their partners, and to provide their customers with more modern experiences online and via mobile devices. Developers leverage our platform to securely embed identity into their software. Our approach allows our customers to simplify and scale their IT and security infrastructures more efficiently as the number of users, devices, clouds and other technologies in their ecosystem grows.

We founded the company in 2009 to reinvent identity for the modern cloud era, where identity is the critical foundation for connection and trust between users and technology. Since our inception, we have consistently innovated to enhance our platform and our product offerings.

In parallel to this product innovation, we have rapidly expanded the breadth and depth of the Okta Integration Network, which provides customers with integrations to cloud, mobile and web applications and IT infrastructure providers that spans the functionality of our products. As of January 31, 2019, we had over 6,000 integrations with these cloud, mobile and web applications and IT infrastructure providers.

We employ a SaaS business model. We focus on acquiring and retaining our customers and increasing their spending with us through expanding the number of users who access our platform and up-selling additional products. We sell our products directly through our field and inside sales teams, as well as indirectly through our network of channel partners, including resellers, ISVs, system integrators and other distribution partners. Our subscription fees include the use of our service and our technical support and management of our platform. We base subscription fees primarily on the products used and the number of users on our platform. We generate subscription fees pursuant to noncancelable contracts with a weighted-average duration of 2.4 years as of January 31, 2019. The Okta Identity Cloud used by our customers use our platform to manage and secure their employees, contractors and partners, which we refer to as workforce identity. Our platform is also used to manage and secure the identities of an organization’s own customers via the powerful APIs we have developed, which we refer to as customer identity. We typically invoice customers in advance in annual installments for subscriptions to our platform.

Financial Information and Segments

We operate our business as one reportable segment. Our revenue has grown significantly. For the years ended January 31, 2019, 2018 and 2017, our revenue was \$399.3 million, \$256.5 million and \$160.8 million, respectively, representing a growth rate of 56% and 60%, respectively. For the years ended January 31, 2019, 2018 and 2017, we generated net losses of \$125.5 million, \$109.8 million and \$75.1 million, respectively. Our accumulated deficit as of January 31, 2019 was \$492.2 million.

Key Business Metrics

We review a number of operating and financial metrics, including the following key metrics, to evaluate our business, measure our performance, identify trends affecting our business, formulate business plans, and make strategic decisions.

	As of January 31,		
	2019	2018	2017
Customers with annual contract value (ACV) above \$100,000	1,038	691	443
Dollar-based retention rate for the trailing 12 months ended	120%	121%	123%
	Year Ended January 31,		
	2019	2018	2017
	(dollars in thousands)		
Calculated billings	\$ 488,217	\$ 314,934	\$ 194,524

Total Customers and Number of Customers with Annual Contract Value Above \$100,000

As of January 31, 2019, we had over 6,100 customers on our platform. We believe that our ability to increase the number of customers on our platform is an indicator of our market penetration, the growth of our business, and our potential future business opportunities. Increasing awareness of our platform and capabilities, coupled with the mainstream adoption of cloud technology, has expanded the diversity of our customer base to include organizations of all sizes across all industries. Over time, larger customers have constituted a greater share of our revenue, which has contributed to an increase in average revenue per customer. The number of customers who have greater than \$100,000 in annual contract value with us was 1,038, 691 and 443 as of January 31, 2019, 2018 and 2017, respectively. We expect this trend to continue as larger enterprises recognize the value of our platform and replace their legacy IAM infrastructure. We define a customer as a separate and distinct buying entity, such as a company, an educational or government institution, or a distinct business unit of a large company that has an active contract with us or one of our partners to access our platform.

Dollar-Based Retention Rate

Our ability to generate revenue is dependent upon our ability to maintain our relationships with our customers and to increase their utilization of our platform. We believe we can achieve these goals by focusing on delivering value and functionality that enables us to both retain our existing customers and expand the number of users and products used within an existing customer. We assess our performance in this area by measuring our Dollar-Based Retention Rate. Our Dollar-Based Retention Rate measures our ability to increase revenue across our existing customer base through expansion of users and products associated with a customer as offset by churn and contraction in the number of users and/or products associated with a customer.

Our Dollar-Based Retention Rate is based upon our Annual Contract Value, or ACV, which is calculated based on the terms of that customer's contract and represents the total contracted annual subscription amount as of that period end. We calculate our Dollar-Based Retention Rate as of a period end by starting with the ACV from all customers as of twelve months prior to such period end, or Prior Period ACV. We then calculate the ACV from these same customers as of the current period end, or Current Period ACV. Current Period ACV includes any upsells and is net of contraction or churn over the trailing twelve months but excludes revenue from new customers in the current period. We then divide the total Current Period ACV by the total Prior Period ACV to arrive at our Dollar-Based Retention Rate.

Our strong Dollar-Based Retention Rate is primarily attributable to an expansion of users and up-selling additional products within our existing customers. Larger enterprises often implement a limited initial deployment of our platform before increasing their deployment on a broader scale.

Calculated Billings

Calculated Billings represent our total revenue plus the change in deferred revenue in the period. Calculated Billings in any particular period reflects sales to new customers plus subscription renewals and upsells to existing customers, and represent amounts invoiced for subscription, support and professional services. We typically invoice customers in advance in annual installments for subscriptions to our platform.

Calculated Billings increased 55% in the year ended January 31, 2019 over the year ended January 31, 2018. As our Calculated Billings continue to grow in absolute terms, we expect our Calculated Billings growth rate to trend down over time. See the section titled “Selected Consolidated Financial Data and Other Data—Non-GAAP Financial Measures” for additional information and a reconciliation of Calculated Billings to total revenue.

Components of Results of Operations

Revenue

Subscription Revenue. Subscription revenue primarily consists of fees for access to and usage of our cloud-based platform and related support. We generate subscription fees pursuant to noncancelable contracts with a weighted average duration of 2.4 years as of January 31, 2019. Subscription revenue is driven primarily by the number of customers, the number of users per customer and the products used. We typically invoice customers in advance in annual installments for subscriptions to our platform.

Professional Services and Other. Professional services revenue includes fees from assisting customers in implementing and optimizing the use of our products. These services include application configuration, system integration and training services.

We generally invoice customers as the work is performed for time-and-materials arrangements, and up front for fixed fee arrangements. All professional services revenue is recognized as the services are performed.

Overhead Allocation and Employee Compensation Costs

We allocate shared costs, such as facilities (including rent, utilities and depreciation on equipment shared by all departments), information technology costs, and recruiting costs to all departments based on headcount. As such, allocated shared costs are reflected in each cost of revenue and operating expense category. Employee compensation costs include salaries, bonuses, benefits and stock-based compensation for each operating expense category and sales commissions for sales and marketing.

Cost of Revenue and Gross Margin

Cost of Subscription. Cost of subscription primarily consists of expenses related to hosting our services and providing support. These expenses include employee-related costs associated with our cloud-based infrastructure and our customer support organization, third-party hosting fees, software and maintenance costs, outside services associated with the delivery of our subscription services, travel-related costs, amortization expense associated with capitalized internal-use software and acquired technology, and allocated overhead.

We intend to continue to invest additional resources in our platform infrastructure and our platform support organizations. We expect our investment in technology to expand the capability of our platform, enabling us to improve our gross margin over time. The level and timing of investment in these areas could affect our cost of subscription revenue in the future.

Cost of Professional Services and Other. Cost of professional services consists primarily of employee-related costs for our professional services delivery team, travel-related costs, and costs of outside services associated with supplementing our professional services delivery team. The cost of providing professional services has historically been higher than the associated revenue we generate.

Gross Margin. Gross margin is gross profit expressed as a percentage of total revenue. Our gross margin may fluctuate from period to period as our revenue fluctuates, and as a result of the timing and amount of investments to expand our hosting capacity, our continued efforts to build platform support and professional services teams, increased stock-based compensation expenses, as well as the amortization of costs associated with capitalized internal-use software and acquired intangible assets.

Operating Expenses

Research and Development. Research and development expenses consist primarily of employee compensation costs and overhead allocation. We believe that continued investment in our platform is important for our growth. We expect our research and development expenses will increase in absolute dollars as our business grows. Our research and development expenses for the years ended January 31, 2019, 2018 and 2017, were \$102.4 million, \$70.8 million and \$38.7 million, respectively.

Sales and Marketing. Sales and marketing expenses consist primarily of employee compensation costs, costs of general marketing activities and promotional activities, travel-related expenses and allocated overhead. Commissions earned by our sales force that are considered incremental and recoverable costs of obtaining a contract with a customer are deferred and then amortized on a straight-line basis over a period of benefit that we have determined to be generally five years. We expect our sales and marketing expenses will increase in absolute dollars and continue to be our largest operating expense category for the foreseeable future as we expand our sales and marketing efforts. However, we expect our sales and marketing expenses to decrease as a percentage of our revenue as our revenue grows.

General and Administrative. General and administrative expenses consist primarily of employee compensation costs for finance, accounting, legal and human resources personnel. In addition, general and administrative expenses include non-personnel costs, such as legal, accounting and other professional fees, charitable contributions and all other supporting corporate expenses not allocated to other departments.

We expect to incur additional expenses as a result of operating as a public company, including costs to comply with the rules and regulations applicable to companies listed on a national securities exchange, costs related to compliance and reporting obligations pursuant to the rules and regulations of the SEC, and increased expenses for insurance, investor relations and professional services. We expect our general and administrative expenses will increase in absolute dollars as our business grows.

Interest Expense and Other Income (Expense), Net

Interest Expense and other income (expense), net consist principally of interest expense, which primarily includes amortization of debt discount and issuance costs and contractual interest expense for our \$345.0 million aggregate principal amount of 0.25% convertible senior notes due February 15, 2023 (2023 Notes) and interest income from our investment holdings.

Provision for (Benefit from) Income Taxes

Provision for (benefit from) income taxes consists of federal and state income taxes in the United States and income taxes in certain foreign jurisdictions.

Results of Operations

The following table sets forth our results of operations for the periods presented in dollars and as a percentage of our revenue:

	Year Ended January 31,		
	2019	2018	2017
		As Adjusted⁽¹⁾	As Adjusted⁽¹⁾
	(in thousands, except per share data)		
Revenue			
Subscription	\$ 370,855	\$ 236,422	\$ 144,909
Professional services and other	28,399	20,125	15,897
Total revenue	399,254	256,547	160,806
Cost of revenue			
Subscription ⁽²⁾	77,354	52,481	34,211
Professional services and other ⁽²⁾	36,067	28,274	21,738
Total cost of revenue	113,421	80,755	55,949
Gross profit	285,833	175,792	104,857
Operating expenses			
Research and development ⁽²⁾	102,385	70,821	38,659
Sales and marketing ⁽²⁾	227,960	165,020	110,769
General and administrative ⁽²⁾	75,110	51,803	30,099
Total operating expenses	405,455	287,644	179,527
Operating loss	(119,622)	(111,852)	(74,670)
Interest expense	(15,072)	—	—
Other income (expense), net	9,180	1,682	39
Loss before provision for (benefit from) income taxes	(125,514)	(110,170)	(74,631)
Provision for (benefit from) income taxes	(17)	(321)	425
Net loss	\$ (125,497)	\$ (109,849)	\$ (75,056)

⁽¹⁾ See Note 2 to our consolidated financial statements for a summary of adjustments.

⁽²⁾ Includes stock-based compensation expense as follows:

	Year Ended January 31,		
	2019	2018	2017
		(in thousands)	
Cost of subscription revenue	\$ 7,837	\$ 4,600	\$ 1,979
Cost of professional services and other revenue	4,983	3,137	1,283
Research and development	22,642	18,107	2,992
Sales and marketing	22,916	13,242	6,029
General and administrative	17,942	10,774	4,844
Total stock-based compensation expense	\$ 76,320	\$ 49,860	\$ 17,127

The following table sets forth our results of operations for the periods presented as a percentage of our revenue:

	Year Ended January 31,		
	2019	2018 As Adjusted⁽¹⁾	2017 As Adjusted⁽¹⁾
Revenue			
Subscription	93%	92%	90%
Professional services and other	7	8	10
Total revenue	<u>100</u>	<u>100</u>	<u>100</u>
Cost of revenue			
Subscription	19	20	21
Professional services and other	9	11	14
Total cost of revenue	<u>28</u>	<u>31</u>	<u>35</u>
Gross profit	72	69	65
Operating expenses:			
Research and development	26	28	24
Sales and marketing	57	65	68
General and administrative	19	20	19
Total operating expenses	<u>102</u>	<u>113</u>	<u>111</u>
Operating loss	(30)	(44)	(46)
Interest expense	(3)	—	—
Other income (expense), net	2	1	—
Loss before provision for (benefit from) income taxes	(31)	(43)	(46)
Provision for (benefit from) income taxes	—	—	1
Net loss	<u>(31)%</u>	<u>(43)%</u>	<u>(47)%</u>

Comparison of the Years Ended January 31, 2019 and 2018

Revenue

	Year Ended January 31,			
	2019	2018	\$ Change	% Change
	(dollars in thousands)			
Revenue:				
Subscription	\$ 370,855	\$ 236,422	\$ 134,433	57%
Professional services and other	28,399	20,125	8,274	41
Total revenue	<u>\$ 399,254</u>	<u>\$ 256,547</u>	<u>\$ 142,707</u>	<u>56</u>
Percentage of revenue:				
Subscription	93%	92%		
Professional services and other	7	8		
Total	<u>100%</u>	<u>100%</u>		

Subscription revenue increased by \$134.4 million, or 57%, for the year ended January 31, 2019 compared to the year ended January 31, 2018. The increase was primarily due to the addition of new customers as well as an increase in users and sales of additional products to existing customers.

Professional services and other revenue increased by \$8.3 million, or 41%, for the year ended January 31, 2019 compared to the year ended January 31, 2018. The increase in professional services revenue primarily

related to an increase in implementation services associated with an increase in the number of new customers purchasing our subscription services.

Cost of Revenue, Gross Profit and Gross Margin

	Year Ended January 31,		\$ Change	% Change
	2019	2018		
	(dollars in thousands)			
Cost of revenue:				
Subscription	\$ 77,354	\$ 52,481	\$ 24,873	47%
Professional services and other	36,067	28,274	7,793	28
Total cost of revenue	<u>\$ 113,421</u>	<u>\$ 80,755</u>	<u>\$ 32,666</u>	40
Gross profit	<u>\$ 285,833</u>	<u>\$ 175,792</u>	<u>\$ 110,041</u>	63
Gross margin:				
Subscription	79%	78%		
Professional services and other	(27)	(40)		
Total gross margin	72	69		

Cost of subscription revenue increased by \$24.9 million, or 47%, for the year ended January 31, 2019 compared to the year ended January 31, 2018, primarily due to an increase of \$11.1 million in employee compensation costs related to higher headcount to support the growth in our subscription services, an increase of \$3.7 million in data center costs as we increased capacity to support our growth, an increase of \$3.0 million in allocated overhead costs to support personnel growth, an increase of \$2.2 million related to the amortization of capitalized internal-use software costs, an increase of \$1.3 million in consulting fees, an increase of \$0.8 million related to the amortization of acquired technology and an increase of \$0.7 million in employee related expenses.

Our gross margin for subscription revenue increased to 79% during the year ended January 31, 2019, up from 78% during the year ended January 31, 2018, due to economies of scale as our subscription revenue increased. While our subscription revenue gross margin may fluctuate in the near-term as we invest in our growth, we expect our subscription revenue gross margin to increase over time as we achieve additional economies of scale.

Cost of professional services and other revenue increased by \$7.8 million, or 28%, for the year ended January 31, 2019, compared to the year ended January 31, 2018, primarily due to an increase of \$4.0 million in employee compensation costs related to higher headcount, an increase of \$1.9 million in consulting fees and an increase of \$1.2 million in allocated overhead costs.

Our gross margin for professional services and other revenue improved to (27)% during the year ended January 31, 2019 from (40)% during the year ended January 31, 2018 primarily due to higher professional services and other revenues as well as more efficient utilization from our professional services team.

Operating Expenses

Research and Development Expenses

	Year Ended January 31,		\$ Change	% Change
	2019	2018		
	(dollars in thousands)			
Research and development	\$ 102,385	\$ 70,821	\$ 31,564	45%
Percentage of revenue	26%	28%		

Research and development expenses increased \$31.6 million, or 45%, for the year ended January 31, 2019 compared to the year ended January 31, 2018. The increase was primarily due to an increase of \$21.3 million in

employee compensation costs due to higher headcount, an increase of \$5.9 million in allocated overhead costs, an increase of \$1.7 million due to a reduction in capitalized internal-use software costs, an increase of \$1.1 million in other research related costs and an increase of \$0.5 million in employee related expenses.

Sales and Marketing Expenses

	Year Ended January 31,			
	2019	2018	\$ Change	% Change
	(dollars in thousands)			
Sales and marketing	\$ 227,960	\$ 165,020	\$ 62,940	38%
Percentage of revenue	57%	65%		

Sales and marketing expenses increased \$62.9 million, or 38%, for the year ended January 31, 2019, compared to the year ended January 31, 2018. The increase was primarily due to an increase of \$39.0 million in employee compensation costs related to headcount growth, an increase of \$12.0 million in allocated overhead costs, an increase of \$5.6 million related to marketing and event costs primarily driven by increases in demand generation programs, advertising, sponsorships, a larger annual customer conference and larger brand awareness efforts aimed at acquiring new customers, an increase of \$2.5 million in employee related expenses and an increase of \$1.5 million in software license costs.

General and Administrative Expenses

	Year Ended January 31,			
	2019	2018	\$ Change	% Change
	(dollars in thousands)			
General and administrative	\$ 75,110	\$ 51,803	\$ 23,307	45%
Percentage of revenue	19%	20%		

General and administrative expenses increased \$23.3 million, or 45%, for the year ended January 31, 2019 compared to the year ended January 31, 2018. The increase was primarily due to an increase of \$15.2 million in employee compensation costs related to higher headcount to support our continued growth, an increase of \$4.3 million in allocated overhead costs, an increase of \$1.1 million in acquisition costs related to our acquisition of ScaleFT and an increase of \$0.8 million in costs from professional services comprised primarily of legal and accounting fees.

Interest Expense and Other Income (Expense), Net

	Year Ended January 31,			
	2019	2018	\$ Change	% Change
	(dollars in thousands)			
Interest expense	\$ (15,072)	\$ —	\$ (15,072)	N/A
Other income (expense), net	\$ 9,180	\$ 1,682	\$ 7,498	N/A

Interest expense increased \$15.1 million for the year ended January 31, 2019 compared to the year ended January 31, 2018, primarily related to the 2023 Notes. Other income (expense), net increased \$7.5 million for the year ended January 31, 2019 compared to the year ended January 31, 2018. The increase was primarily due to interest and other income earned on higher cash and short-term investment balances.

Comparison of the Years Ended January 31, 2018 and 2017

Revenue

	Year Ended January 31,			
	2018	2017	\$ Change	% Change
	(dollars in thousands)			
Revenue:				
Subscription	\$ 236,422	\$ 144,909	\$ 91,513	63%
Professional services and other	20,125	15,897	4,228	27
Total revenue	<u>\$ 256,547</u>	<u>\$ 160,806</u>	<u>\$ 95,741</u>	60
Percentage of revenue:				
Subscription	92%	90%		
Professional services and other	8	10		
Total	<u>100%</u>	<u>100%</u>		

Subscription revenue increased by \$91.5 million, or 63%, for the year ended January 31, 2018 compared to the year ended January 31, 2017. The increase was primarily due to the addition of new customers as well as an increase in users and sales of additional products to existing customers.

Professional services and other revenue increased by \$4.2 million, or 27%, for the year ended January 31, 2018 compared to the year ended January 31, 2017. The increase in professional services revenue primarily related to an increase in implementation services priced on a time and materials basis, associated with an increase in the number of new customers purchasing our subscription services.

Cost of Revenue, Gross Profit and Gross Margin

	Year Ended January 31,			
	2018	2017	\$ Change	% Change
	(dollars in thousands)			
Cost of revenue:				
Subscription	\$ 52,481	\$ 34,211	\$18,270	53%
Professional services and other	28,274	21,738	6,536	30
Total cost of revenue	<u>\$ 80,755</u>	<u>\$ 55,949</u>	<u>\$24,806</u>	44
Gross profit	<u>\$ 175,792</u>	<u>\$104,857</u>	<u>\$70,935</u>	68
Gross margin:				
Subscription	78%	76%		
Professional services and other	(40)	(37)		
Total gross margin	69	65		

Cost of subscription revenue increased by \$18.3 million, or 53%, for the year ended January 31, 2018 compared to the year ended January 31, 2017, primarily due to an increase of \$9.2 million in employee compensation costs related to higher headcount to support the growth in our subscription services, an increase of \$4.2 million in data center costs as we increased capacity to support our growth, an increase of \$1.6 million in allocated overhead costs to support our personnel growth, an increase of \$1.0 million related to the amortization of capitalized internal-use software costs due to the continued development of our software platform and an increase of \$0.9 million in consulting fees.

Our gross margin for subscription revenue increased from 76% during the year ended January 31, 2017 to 78% during the year ended January 31, 2018, due to economies of scale as our subscription revenue increased.

While our subscription revenue gross margin may fluctuate in the near-term as we invest in our growth, we expect our subscription revenue gross margin to increase over time as we achieve additional economies of scale.

Cost of professional services and other revenue increased by \$6.5 million, or 30%, for the year ended January 31, 2018, compared to the year ended January 31, 2017, primarily due to an increase of \$6.0 million in employee compensation costs related to higher headcount, and an increase of \$0.8 million in allocated overhead costs.

Our gross margin for professional services and other revenue decreased to (40)% from (37)% during the year ended January 31, 2018 as compared to the year ended January 31, 2017, due to the continued shift that began during fiscal 2016 to price our professional services on a time and materials basis.

Operating Expenses

Research and Development Expenses

	Year Ended January 31,			
	2018	2017	\$ Change	% Change
	(dollars in thousands)			
Research and development	\$ 70,821	\$ 38,659	\$ 32,162	83%
Percentage of revenue	28%	24%		

Research and development expenses increased \$32.2 million, or 83%, for the year ended January 31, 2018 compared to the year ended January 31, 2017. The increase was primarily due to an increase of \$26.9 million in employee compensation costs due to higher headcount and the post combination compensation expense related to the equity awards issued in connection with the Stormpath business combination, an increase of \$2.4 million in allocated overhead costs and an increase of \$1.1 million due to write-off of capitalized internal-use software costs related to projects that were not deployed. These increases were partially offset by an increase of \$0.5 million related to capitalized internal-use software costs.

Sales and Marketing Expenses

	Year Ended January 31,			
	2018	2017	\$ Change	% Change
	(dollars in thousands)			
Sales and marketing	\$ 165,020	\$ 110,769	\$ 54,251	49%
Percentage of revenue	65%	68%		

Sales and marketing expenses increased \$54.3 million, or 49%, for the year ended January 31, 2018 compared to the year ended January 31, 2017. The increase was primarily due to an increase of \$33.9 million in employee compensation costs related primarily to higher headcount, an increase of \$9.5 million related to marketing and event costs primarily driven by increases in demand generation programs, advertising, sponsorships, a larger annual customer conference, and brand awareness efforts aimed at acquiring new customers, an increase of \$5.2 million in allocated overhead costs, an increase of \$2.5 million in travel and employee related expenses and an increase of \$0.8 million in software license costs.

General and Administrative Expenses

	Year Ended January 31,			
	2018	2017	\$ Change	% Change
	(dollars in thousands)			
General and administrative	\$ 51,803	\$ 30,099	\$ 21,704	72%
Percentage of revenue	20%	19%		

General and administrative expenses increased \$21.7 million, or 72%, for the year ended January 31, 2018 compared to the year ended January 31, 2017. The increase was primarily due to an increase of \$15.4 million in employee compensation costs related to higher headcount to support our continued growth, an increase of \$5.0 million in costs from professional services comprised primarily of IT, legal, accounting, and consulting fees, an increase of \$2.0 million in allocated overhead costs, an increase of \$1.0 million in software license costs, an increase of \$0.7 million in charitable contributions and an increase of \$0.5 million in travel and employee related expenses.

Other Income (Expense), Net

	Year Ended January 31,			
	2018	2017	\$ Change	% Change
	(dollars in thousands)			
Other income (expense), net	\$ 1,682	\$ 39	\$ 1,643	N/A

Other income (expense), net increased \$1.6 million for the year ended January 31, 2018 compared to the year ended January 31, 2017. The increase was primarily due to interest income earned on higher cash and short-term investment balances from the completion of our IPO.

Provision for (benefit from) income taxes

	Year Ended January 31,			
	2018	2017	\$ Change	% Change
	(dollars in thousands)			
Provision for (benefit from) income taxes	\$ (321)	\$ 425	\$ (746)	N/A

We recorded a benefit from income taxes of \$(0.3) million for the year ended January 31, 2018, compared to a provision for income taxes of \$0.4 million for the year ended January 31, 2017. The income tax provision for the year ended January 31, 2017 was related to foreign taxes and tax amortization of goodwill. The \$(0.3) million benefit from income taxes for the year ended January 31, 2018 resulted from \$1.3 million of excess tax deductions related to option exercises by foreign employees, a portion of which we intend to use to claim a refund of taxes paid in prior years.

Quarterly Results of Operations Data and Other Data

The following tables set forth selected unaudited consolidated quarterly statements of operations data for each of the eight fiscal quarters ended January 31, 2019, as well as the percentage of revenue that each line item represents for each quarter. The information for each of these quarters has been prepared on the same basis as the audited annual consolidated financial statements included elsewhere in this Annual Report on Form 10-K and, in the opinion of management, includes all adjustments, which consist only of normal recurring adjustments, necessary for the fair presentation of the results of operations for these periods. This data should be read in conjunction with our audited consolidated financial statements and related notes included elsewhere in this Annual Report on Form 10-K. These quarterly results are not necessarily indicative of our results of operations to be expected for any future period.

	Three Months Ended							
	Apr 30, 2017	Jul 31, 2017	Oct 31, 2017	Jan 31, 2018	Apr 30, 2018	Jul 31, 2018	Oct 31, 2018	Jan 31, 2019
	As Adjusted ⁽¹⁾	As Adjusted ⁽¹⁾	As Adjusted ⁽¹⁾	As Adjusted ⁽¹⁾	As Adjusted ⁽¹⁾	As Adjusted ⁽¹⁾	As Adjusted ⁽¹⁾	As Adjusted ⁽¹⁾
	(in thousands)							
Revenue								
Subscription	\$ 48,279	\$ 55,317	\$ 61,863	\$ 70,963	\$ 76,841	\$ 87,854	\$ 97,698	\$ 108,462
Professional services and other	4,046	4,942	5,048	6,089	6,780	6,732	7,878	7,009
Total revenue	52,325	60,259	66,911	77,052	83,621	94,586	105,576	115,471
Cost of revenue								
Subscription ⁽²⁾	11,157	12,691	13,553	15,080	16,332	19,211	20,265	21,546
Professional services and other ⁽²⁾	6,306	6,991	7,570	7,407	7,775	9,017	9,435	9,840
Total cost of revenue	17,463	19,682	21,123	22,487	24,107	28,228	29,700	31,386
Gross profit	34,862	40,577	45,788	54,565	59,514	66,358	75,876	84,085
Operating expenses								
Research and development ⁽²⁾	15,359	16,923	19,190	19,349	19,929	24,829	27,596	30,031
Sales and marketing ⁽²⁾	35,303	37,891	47,567	44,259	49,493	59,004	56,911	62,552
General and administrative ⁽²⁾	11,639	11,948	13,546	14,670	15,070	20,955	19,848	19,237
Total operating expenses	62,301	66,762	80,303	78,278	84,492	104,788	104,355	111,820
Operating loss	(27,439)	(26,185)	(34,515)	(23,713)	(24,978)	(38,430)	(28,479)	(27,735)
Other income (expense), net	(19)	382	509	810	(1,215)	(1,762)	(1,705)	(1,210)
Loss before provision for (benefit from) income taxes	(27,458)	(25,803)	(34,006)	(22,903)	(26,193)	(40,192)	(30,184)	(28,945)
Provision for (benefit from) income taxes	248	229	(940)	142	(231)	(985)	(667)	1,866
Net loss	\$(27,706)	\$(26,032)	\$(33,066)	\$(23,045)	\$(25,962)	\$(39,207)	\$(29,517)	\$(30,811)
Net loss per share, basic and diluted	\$ (0.70)	\$ (0.28)	\$ (0.35)	\$ (0.23)	\$ (0.25)	\$ (0.37)	\$ (0.27)	\$ (0.28)

(1) The quarterly consolidated statements of operations data reflects the adoption of Accounting Standard Update (“ASU”) No. 2014-09, *Revenue from Contracts with Customers* (“Topic 606”).

(2) Amounts include stock-based compensation expense as follows:

	Three Months Ended							
	Apr 30, 2017	Jul 31, 2017	Oct 31, 2017	Jan 31, 2018	Apr 30, 2018	Jul 31, 2018	Oct 31, 2018	Jan 31, 2019
	(in thousands)							
Cost of subscription revenue \$	686	\$ 1,056	\$ 1,421	\$ 1,437	\$ 1,529	\$ 1,901	\$ 2,383	\$ 2,024
Cost of professional services and other revenue	469	738	979	951	889	1,083	1,305	1,706
Research and development	3,301	4,438	5,174	5,194	4,213	5,272	6,291	6,866
Sales and marketing	2,375	3,021	3,894	3,952	4,153	5,471	6,228	7,064
General and administrative	2,075	2,725	2,940	3,034	3,351	4,495	5,335	4,761
Total stock-based compensation expense	\$ 8,906	\$ 11,978	\$ 14,408	\$ 14,568	\$ 14,135	\$ 18,222	\$ 21,542	\$ 22,421

	Three Months Ended							
	Apr 30, 2017	Jul 31, 2017	Oct 31, 2017	Jan 31, 2018	Apr 30, 2018	Jul 31, 2018	Oct 31, 2018	Jan 31, 2019
	As Adjusted ⁽¹⁾	As Adjusted ⁽¹⁾	As Adjusted ⁽¹⁾	As Adjusted ⁽¹⁾				
Revenue								
Subscription	92%	92%	92%	92%	92%	93%	93%	94%
Professional services and other	8	8	8	8	8	7	7	6
Total revenue	100	100	100	100	100	100	100	100
Cost of revenue								
Subscription	21	21	20	20	20	20	19	19
Professional services and other	12	12	12	9	9	10	9	8
Total cost of revenue	33	33	32	29	29	30	28	27
Gross profit	67	67	68	71	71	70	72	73
Operating expenses:								
Research and development	29	28	29	25	24	26	26	26
Sales and marketing	68	62	71	58	59	62	54	54
General and administrative	22	20	20	19	18	23	19	17
Total operating expenses	119	110	120	102	101	111	99	97
Operating loss	(52)	(43)	(52)	(31)	(30)	(41)	(27)	(24)
Other income (expense), net	—	—	1	1	(1)	(2)	(2)	(1)
Loss before provision for (benefit from) income taxes	(52)	(43)	(51)	(30)	(31)	(43)	(29)	(25)
Provision for (benefit from) income taxes	—	—	(2)	—	—	(2)	(1)	2
Net loss	(52)%	(43)%	(49)%	(30)%	(31)%	(41)%	(28)%	(27)%

(1) The quarterly consolidated statements of operations data reflects the adoption of Accounting Standard Update (“ASU”) No. 2014-09, *Revenue from Contracts with Customers* (“Topic 606”).

Quarterly Revenue Trends

Our quarterly revenue increased sequentially in each of the periods presented due primarily to increases in the number of new customers, as well as expansion within existing customers and sales of new products. We have typically acquired more new customers in the fourth quarter of our fiscal year, though this seasonality is

sometimes not immediately apparent in our revenue due to the fact that we recognize subscription revenue over the term of the contract. Our contracts have a weighted-average duration of 2.4 years.

Quarterly Cost of Revenue and Gross Margin Trends

Our quarterly gross margin has generally been increasing due to increasing subscription revenue and related economies of scale combined with the overall growth in our professional services revenue and increased utilization of professional services personnel.

Quarterly Operating Expense Trends

Total costs and expenses generally increased sequentially for the fiscal quarters presented, primarily due to the addition of personnel in connection with the expansion of our business. Our research and development expenses can fluctuate quarter to quarter based on the timing and extent of capitalizable internal-use software development activities. Sales and marketing expenses grew sequentially over the periods. Sales and marketing expenses included \$6.2 million of expenses related to our annual customer conference in the second quarter of fiscal 2019. Sales and marketing expenses included \$5.0 million of expenses related to our annual customer conference in the third quarter of fiscal 2018. Our sales and marketing expenses generally increase in the quarter in which the conference is held. General and administrative costs generally increased in recent quarters due to higher outside professional service fees in connection with operating as a public company.

Non-GAAP Financial Measures

In addition to our results determined in accordance with U.S. generally accepted accounting principles, or GAAP, we believe the following non-GAAP measures are useful in evaluating our operating performance. We use the below referenced non-GAAP financial information, collectively, to evaluate our ongoing operations and for internal planning and forecasting purposes. We believe that non-GAAP financial information, when taken collectively, may be helpful to investors because it provides consistency and comparability with past financial performance, and assists in comparisons with other companies, some of which use similar non-GAAP financial information to supplement their GAAP results. The non-GAAP financial information is presented for supplemental informational purposes only, and should not be considered a substitute for financial information presented in accordance with GAAP, and may be different from similarly-titled non-GAAP measures used by other companies. The principal limitation of these non-GAAP financial measures is that they exclude significant expenses and income that are required by GAAP to be recorded in our financial statements. In addition, they are subject to inherent limitations as they reflect the exercise of judgment by our management about which expenses and income are excluded or included in determining these non-GAAP financial measures. A reconciliation is provided below for each non-GAAP financial measure to the most directly comparable financial measure stated in accordance with GAAP. Investors are encouraged to review the related GAAP financial measures and the reconciliation of these non-GAAP financial measures to their most directly comparable GAAP financial measures, and not to rely on any single financial measure to evaluate our business.

Non-GAAP Gross Profit and Non-GAAP Gross Margin

We define non-GAAP gross profit and non-GAAP gross margin as GAAP gross profit and GAAP gross margin, adjusted for stock-based compensation expense and amortization of acquired intangibles.

	Year Ended January 31,		
	2019	2018	2017
		As Adjusted⁽¹⁾	As Adjusted⁽¹⁾
	(dollars in thousands)		
Gross profit	\$ 285,833	\$ 175,792	\$ 104,857
Add:			
Stock-based compensation expense included in cost of revenue	12,820	7,737	3,262
Amortization of acquired intangibles	832	4	190
Non-GAAP gross profit	<u>\$ 299,485</u>	<u>\$ 183,533</u>	<u>\$ 108,309</u>
Gross margin	72%	69%	65%
Non-GAAP gross margin	75%	72%	67%

⁽¹⁾ See Note 2 to our consolidated financial statements for a summary of adjustments.

Non-GAAP Operating Loss and Non-GAAP Operating Margin

We define non-GAAP operating loss and non-GAAP operating margin as GAAP operating loss and GAAP operating margin, adjusted for stock-based compensation expense, charitable contributions and amortization of acquired intangibles.

	Year Ended January 31,		
	2019	2018	2017
		As Adjusted⁽¹⁾	As Adjusted⁽¹⁾
	(dollars in thousands)		
Operating loss	\$ (119,622)	\$ (111,852)	\$ (74,670)
Add:			
Stock-based compensation expense	76,320	49,860	17,127
Charitable contributions	1,008	754	—
Amortization of acquired intangibles	832	4	190
Non-GAAP operating loss	<u>\$ (41,462)</u>	<u>\$ (61,234)</u>	<u>\$ (57,353)</u>
Operating margin	(30)%	(44)%	(46)%
Non-GAAP operating margin	(10)%	(24)%	(36)%

⁽¹⁾ See Note 2 to our consolidated financial statements for a summary of adjustments.

Free Cash Flow

We define Free Cash Flow as net cash used in operating activities, less cash used for purchases of property and equipment and capitalized internal-use software costs.

	Year Ended January 31,		
	2019	2018	2017
	(dollars in thousands)		
Net cash provided by (used in) operating activities	\$ 15,172	\$ (25,240)	\$ (42,101)
Less:			
Purchases of property and equipment	(19,811)	(6,550)	(6,253)
Capitalization of internal-use software costs	(2,851)	(5,431)	(5,489)
Proceeds from sales of property and equipment	740	—	—
Free Cash Flow	<u>\$ (6,750)</u>	<u>\$ (37,221)</u>	<u>\$ (53,843)</u>
Net cash provided by (used in) investing activities	\$ (197,320)	\$ (99,704)	\$ 6,965
Net cash provided by financing activities	\$ 357,762	\$ 237,408	\$ 457

Calculated Billings

We define Calculated Billings as total revenue plus the change in deferred revenue during the period.

	Year Ended January 31,		
	2019	2018	2017
	As Adjusted ⁽¹⁾		
	(dollars in thousands)		
Total revenue	\$ 399,254	\$ 256,547	\$ 160,806
Add:			
Deferred revenue (end of period)	254,390	164,779	107,120
Unbilled receivables (beginning of period)	809	1,537	1,736
Less:			
Unbilled receivables (end of period)	(1,457)	(809)	(1,537)
Deferred revenue (beginning of period)	<u>(164,779)</u>	<u>(107,120)</u>	<u>(73,601)</u>
Calculated billings	<u>488,217</u>	<u>314,934</u>	<u>194,524</u>

⁽¹⁾ See Note 2 to our consolidated financial statements for a summary of adjustments.

Liquidity and Capital Resources

As of January 31, 2019, our principal sources of liquidity were cash, cash equivalents and short-term investments totaling \$563.8 million, which were held for working capital purposes. Our cash equivalents and investments were comprised primarily of money market funds, U.S. treasury securities and corporate debt securities. We have generated significant operating losses and negative cash flows from operations as reflected in our accumulated deficit and consolidated statements of cash flows. We expect to continue to incur operating losses and negative cash flows from operations for the foreseeable future.

In February 2018, we completed a private offering of the 2023 Notes and received aggregate proceeds of \$345.0 million, before deducting costs of issuance of \$10.0 million. The net proceeds of this debt issuance will be used for general corporate purposes. In connection with the issuance of the 2023 Notes, we entered into convertible note hedge transactions with respect to our Class A common stock (Note Hedges). We paid an aggregate amount of \$80.0 million of the net proceeds from the sale of the 2023 Notes to purchase the Note Hedges. The cost of the Note Hedges was partially offset by proceeds of \$52.4 million from the sale of warrants to purchase shares of our Class A common stock in connection with the issuance of the 2023 Notes.

In April 2017, upon completion of our initial public offering, or IPO, we received aggregate proceeds of \$200.0 million, net of underwriters' discounts and commissions, before deducting offering costs of approximately \$5.6 million. Historically, we have financed our operations primarily through the net proceeds we received through private sales of equity securities, as well as payments received from customers for subscription and professional services. We believe our existing cash and cash equivalents, our investments, and cash provided by sales of our products and services will be sufficient to meet our working capital and capital expenditure needs for at least the next 12 months. Our future capital requirements will depend on many factors, including our subscription growth rate, subscription renewal activity, billing frequency, the timing and extent of spending to support development efforts, the expansion of sales and marketing activities, the introduction of new and enhanced product offerings, and the continuing market adoption of our platform. We may in the future enter into arrangements to acquire or invest in complementary businesses, services and technologies, including intellectual property rights. We may be required to seek additional equity or debt financing. In the event that additional financing is required from outside sources, we may not be able to raise it on terms acceptable to us or at all. If we are unable to raise additional capital or generate cash flows necessary to expand our operations and invest in new technologies this could reduce our ability to compete successfully and harm our results of operations.

We had a line of credit (Revolving Line) with Silicon Valley Bank (SVB) in the amount of \$40.0 million, which expired by its terms in November 2018. The available amount, not to exceed \$40.0 million, was based on certain revenue metrics and was reduced by letters of credit totaling \$4.2 million established in connection with facility lease agreements. In November 2018, these letters of credit were secured by restricted cash and were included in other assets on the consolidated balance sheet as of January 31, 2019.

A significant majority of our customers pay in advance for annual subscriptions. Therefore, a substantial source of our cash is from our deferred revenue, which is included on our consolidated balance sheet as a liability. Deferred revenue consists of the unearned portion of billed fees for our subscriptions, which is recognized as revenue in accordance with our revenue recognition policy. As of January 31, 2019, we had deferred revenue of \$254.4 million, of which \$245.6 million was recorded as a current liability and is expected to be recorded as revenue in the next 12 months, provided all other revenue recognition criteria have been met.

Cash Flows

The following table summarizes our cash flows for the periods indicated:

	Year Ended January 31,		
	2019	2018	2017
	(in thousands)		
Net cash provided by (used in) operating activities	\$ 15,172	\$ (25,240)	\$(42,101)
Net cash provided by (used in) investing activities	(197,320)	(99,704)	6,965
Net cash provided by financing activities	357,762	237,408	457
Effects of changes in foreign currency exchange rates on cash, cash equivalents and restricted cash	(632)	487	(120)
Net increase (decrease) in cash, cash equivalents and restricted cash	<u>\$ 174,982</u>	<u>\$ 112,951</u>	<u>\$ (34,799)</u>

Operating Activities

Our largest source of operating cash is cash collections from our customers for subscription and professional services. Our primary uses of cash from operating activities are for employee-related expenditures, marketing expenses and third-party hosting costs. Historically, we have generated negative cash flows from operating activities and have supplemented working capital requirements through net proceeds from the private sale of equity securities and more recently from the net proceeds from the sale of the 2023 Notes and from our IPO.

During the year ended January 31, 2019, cash provided by operating activities was \$15.2 million primarily due to our net loss of \$125.5 million, adjusted for non-cash charges of \$120.3 million and net cash inflows of \$20.3 million provided by changes in our operating assets and liabilities. Non-cash charges primarily consisted of stock-based compensation, amortization of deferred commissions, amortization of debt discount and issuance costs, depreciation and amortization of property and equipment and intangible assets, write-off of capitalized internal-use software costs, deferred income taxes and charitable contributions. The primary drivers of the changes in operating assets and liabilities related to a \$89.3 million increase in deferred revenue, and an increase of \$23.7 million in accounts payable, accrued compensation and accrued other expenses, offset by an increase of \$39.7 million in accounts receivable, a \$41.3 million increase in deferred commissions and an increase of \$11.6 million in prepaid expenses and other assets.

During the year ended January 31, 2018, cash used in operating activities was \$25.2 million primarily due to our net loss of \$109.8 million, adjusted for non-cash charges of \$74.0 million and net cash inflows of \$10.6 million provided by changes in our operating assets and liabilities. Non-cash charges primarily consisted of stock-based compensation, amortization of deferred commissions, and depreciation and amortization of property and equipment, intangible assets, write-off of capitalized internal-use software costs, deferred income taxes and charitable contributions. The primary drivers of the changes in operating assets and liabilities related to a \$57.7 million increase in deferred revenue, a \$7.6 million increase in accounts payable, accrued compensation and other accrued expenses, offset by a \$27.0 million increase in deferred commissions, a \$18.3 million increase in accounts receivable and a \$9.4 million increase in prepaid expenses and other assets.

During the year ended January 31, 2017, cash used in operating activities was \$42.1 million primarily due to our net loss of \$75.1 million, adjusted for non-cash charges of \$32.9 million and net cash inflows of \$0.1 million provided by changes in our operating assets and liabilities. Non-cash charges primarily consisted of stock-based compensation, amortization of deferred commissions, and depreciation and amortization of property and equipment and intangible assets. The primary drivers of the changes in operating assets and liabilities related to a \$33.5 million increase in deferred revenue, a \$5.9 million increase in accounts payable, accrued compensation and other accrued expenses, offset by a \$24.1 million increase in deferred commissions, a \$12.0 million increase in accounts receivable and a \$3.2 million increase in prepaid expenses and other assets.

Investing Activities

Net cash used in investing activities during the year ended January 31, 2019 of \$197.3 million was primarily attributable to the purchases of investments of \$631.5 million, purchases of property and equipment of \$19.8 million to support additional office space and headcount and the capitalization of internal-use software costs of \$2.9 million associated with the development of additional features and functionality for our platform. These activities were offset by proceeds from the sales and maturities of investments of \$471.7 million.

Net cash provided by investing activities during the year ended January 31, 2018 of \$99.7 million was primarily attributable to the purchases of investments of \$129.1 million, purchases of property and equipment of \$6.6 million to support additional office space and headcount and the capitalization of internal-use software costs of \$5.4 million associated with the development of additional features and functionality of our platform. These activities were offset by proceeds from the sales and maturities of investments of \$41.4 million.

Net cash provided by investing activities during the year ended January 31, 2017 of \$7.0 million was primarily attributable to proceeds from the sales and maturities of investments of \$18.7 million, which was partially offset by purchases of property and equipment to support additional office space and headcount of \$6.3 million, and the capitalization of internal-use software costs associated with the development of additional features and functionality of our platform of \$5.5 million.

Financing Activities

Cash provided by financing activities during the year ended January 31, 2019 of \$357.8 million was primarily attributable to proceeds from the issuance of the 2023 Notes of \$335.0 million, net of costs of issuance,

proceeds from the issuance of warrants of \$52.4 million, proceeds from the exercise of stock options, net of repurchases, of \$36.9 million and proceeds from our employee stock purchase plan of \$13.7 million, partially offset by cash used to purchase the Note Hedges of \$80.0 million.

Cash provided by financing activities during the year ended January 31, 2018 of \$237.4 million was primarily attributable to proceeds from the completion of our IPO of \$200.0 million, net of underwriters' discounts and commissions, proceeds from the exercise of stock options of \$33.6 million, net of repurchases, and proceeds from our employee stock purchase plan of \$8.4 million, offset by \$4.0 million in payments related to deferred offering costs and principal payments on a financing arrangement of \$0.5 million.

Cash provided by financing activities during the year ended January 31, 2017 of \$0.5 million was primarily the result of \$2.4 million in proceeds from the exercise of stock options, net of repurchases, partially offset by the payment of deferred offering costs of \$1.6 million and principal payments on a financing arrangement of \$0.4 million.

Obligations and Other Commitments

Our principal commitments consist of obligations under our convertible senior notes, operating leases for office space and data center hosting facilities. The following table summarizes our contractual obligations as of January 31, 2019:

	Payments Due by Period				
	Less Than 1 Year	1 to 3 Years	3 to 5 Years	More Than 5 Years	Total
	(in thousands)				
Convertible senior notes ⁽¹⁾	\$ —	\$ —	\$ 345,000	\$ —	\$ 345,000
Interest obligations for convertible senior notes	863	1,725	1,260	—	3,848
Operating lease obligations ⁽²⁾	16,672	54,744	56,161	117,101	244,678
Other obligations ⁽³⁾	19,668	30,202	10,000	—	59,870
Total contractual obligations	\$ 37,203	\$ 86,671	\$ 412,421	\$ 117,101	\$ 653,396

⁽¹⁾ The principal balance of the 2023 Notes is reflected in the payment period in the table above based on the contractual maturity assuming no conversion. However, the conversion period for the 2023 Notes was open as of February 1, 2019, and as such the value of the 2023 Notes is included within current liabilities on our consolidated balance sheet. See Note 9 to our consolidated financial statements included elsewhere in this Annual Report on Form 10-K for further details.

⁽²⁾ Consists of future non-cancelable minimum rental payments under operating leases for our offices. These payments have not been adjusted to reflect minimum sublease rental income of \$16.9 million payable to us through 2024 pursuant to a non-cancellable sublease.

⁽³⁾ Consists of future minimum payments under non-cancelable purchase commitments primarily related to data center, IT operations, and sales and marketing activities.

Indemnification Agreements

In the ordinary course of business, we enter into agreements of varying scope and terms pursuant to which we agree to indemnify customers, vendors, lessors, business partners and other parties with respect to certain matters, including, but not limited to, losses arising out of the breach of such agreements, services to be provided by us or from intellectual property infringement claims made by third parties. In addition, we have entered into indemnification agreements with our directors and certain officers and employees that will require us, among other things, to indemnify them against certain liabilities that may arise by reason of their status or service as directors, officers or employees. No demands have been made upon us to provide indemnification under such

agreements and there are no claims that we are aware of that could have a material effect on our consolidated balance sheets, consolidated statements of operations and comprehensive loss, or consolidated statements of cash flows.

Off-Balance Sheet Arrangements

As of January 31, 2019, we did not have any relationships with unconsolidated organizations or financial partnerships, such as structured finance or special purpose entities that would have been established for the purpose of facilitating off-balance sheet arrangements or other contractually narrow or limited purposes.

Critical Accounting Policies and Estimates

We prepare our consolidated financial statements in accordance with GAAP. In the preparation of these consolidated financial statements, we are required to make estimates and assumptions that affect the reported amounts of assets, liabilities, revenue, costs and expenses, and related disclosures. To the extent that there are material differences between these estimates and actual results, our financial condition or results of operations would be affected. We base our estimates on past experience and other assumptions that we believe are reasonable under the circumstances, and we evaluate these estimates on an ongoing basis. We refer to accounting estimates of this type as critical accounting policies and estimates, which we discuss below.

Revenue Recognition

We derive revenue from subscription fees (which include support fees) and professional services fees. We sell subscriptions to our platform through arrangements that are generally one to five years in length. Our arrangements are generally noncancelable and nonrefundable. Furthermore, if a customer reduces the contracted usage or service level, the customer has no right of refund. Our subscription arrangements do not provide customers with the right to take possession of the software supporting the platform and, as a result, are accounted for as service arrangements. This revenue recognition policy is consistent for sales generated directly with customers and sales generated indirectly through channel partners.

We determine revenue recognition through the following steps:

- Identification of the contract, or contracts, with a customer;
- Identification of the performance obligations in the contract;
- Determination of the transaction price;
- Allocation of the transaction price to the performance obligations in the contract; and
- Recognition of revenue when, or as, we satisfy a performance obligation.

Subscription Revenue

Subscription revenue, which includes support, is recognized on a straight-line basis over the noncancelable contractual term of the arrangement, generally beginning on the date that our service is made available to the customer.

Professional Services Revenue

Our professional services principally consist of customer-specific requests for application integrations, user interface enhancements and other customer specific requests. Revenue for our professional services is recognized as services are performed in proportion with their pattern of transfer.

Contracts with Multiple Performance Obligations

Some of our contracts with customers contain multiple performance obligations. For these contracts, we account for individual performance obligations separately if they are distinct. The transaction price is allocated to the separate performance obligations on a relative stand alone selling price (SSP) basis. We determine SSP based on observable, if available, prices for those related services when sold separately. When such observable prices are not available, we determine SSP based on overarching pricing objectives and strategies, taking into consideration market conditions and other factors, including customer size, volume purchased, market and industry conditions, product-specific factors and historical sales of the deliverables.

Deferred Revenue

Deferred revenue consists of customer billings in advance of revenue being recognized from our subscription and support services and professional services arrangements. We primarily invoice our customers for our subscription services arrangements annually in advance. Our payment terms generally provide that customers pay the invoiced portion of the total arrangement fee within 30 days of the invoice date. Amounts anticipated to be recognized within one year of the balance sheet date are recorded as deferred revenue, current; the remaining portion is recorded as deferred revenue, noncurrent in the consolidated balance sheets.

Deferred revenue on our consolidated balance sheets totaled \$254.4 million and \$164.8 million at January 31, 2019 and 2018, respectively.

Deferred Commissions

Sales commissions earned by our sales force are considered incremental and recoverable costs of obtaining a contract with a customer. Sales commissions for new revenue contracts, including incremental sales to existing customers, are deferred and then amortized on a straight-line basis over a period of benefit, which we have determined to be generally five years. We determined the period of benefit by taking into consideration the terms of our customer contracts, our technology and other factors. Sales commissions for renewal contracts (which are not considered commensurate with sales commissions for new revenue contracts and incremental sales to existing customers) are deferred and then amortized on a straight-line basis over the related period of benefit, which is generally the related contract renewal term. Amortization expense is included in sales and marketing expenses in our consolidated statements of operations.

Deferred commissions on our consolidated balance sheets totaled \$79.0 million and \$58.5 million at January 31, 2019 and 2018, respectively.

Capitalized Internal-Use Software Costs

We capitalize certain costs incurred during the application development stage in connection with software development for our platform. Costs related to preliminary project activities and post-implementation activities are expensed as incurred.

Capitalized internal-use software costs are amortized on a straight-line basis over the software's estimated useful life, which is generally three years. We record amortization related to capitalized internal-use software within subscription cost of revenue in the consolidated statements of operations. We evaluate the useful lives of these assets on an annual basis and test for impairment whenever events or changes in circumstances occur that could impact the recoverability of these assets.

Business Combinations

When we acquire a business, the purchase price is allocated to the net tangible and identifiable intangible assets acquired based on their estimated fair values. Any residual purchase price is recorded as goodwill. The allocation of the purchase price requires management to make significant estimates in determining the fair values

of assets acquired and liabilities assumed, especially with respect to intangible assets. These estimates can include, but are not limited to, the cash flows that an asset is expected to generate in the future, the appropriate weighted-average cost of capital and the cost savings expected to be derived from acquiring an asset. These estimates are inherently uncertain and unpredictable. During the measurement period, which may be up to one year from the acquisition date, adjustments to the fair value of these tangible and intangible assets acquired and liabilities assumed may be recorded, with the corresponding offset to goodwill. Upon the conclusion of the measurement period or final determination of the fair value of assets acquired or liabilities assumed, whichever comes first, any subsequent adjustments are recorded to our consolidated statements of operations.

Goodwill on our consolidated balance sheets totaled \$18.1 million and \$6.3 million at January 31, 2019 and 2018, respectively. Goodwill is tested for impairment annually on November 1 or more frequently if certain indicators are present. Based on the annual assessment, no indicator of impairment was noted and as such no impairment charge was recorded during the years ended January 31, 2019, 2018 and 2017.

Convertible Senior Notes

The 2023 Notes are accounted for in accordance with FASB ASC Subtopic 470-20, Debt with Conversion and Other Options. Pursuant to ASC Subtopic 470-20, issuers of certain convertible debt instruments, such as the 2023 Notes, that have a net settlement feature and may be settled wholly or partially in cash upon conversion are required to separately account for the liability (debt) and equity (conversion option) components of the instrument. The carrying amount of the liability component of the instrument is computed by estimating the fair value of a similar liability without the conversion option. The amount of the equity component is then calculated by deducting the fair value of the liability component from the principal amount of the instrument. The difference between the principal amount and the liability component represents a debt discount that is amortized to interest expense over the respective term of the 2023 Notes using the effective interest rate method. The equity component is not remeasured as long as it continues to meet the conditions for equity classification. In accounting for the issuance costs related to the 2023 Notes, the allocation of issuance costs incurred between the liability and equity components was based on their relative values.

Stock-Based Compensation

Stock-based compensation issued to employees and non-employees, including the purchase rights issued under our 2017 Employee Stock Purchase Plan (ESPP), is measured based on the grant-date fair value of the awards and recognized as an expense following the straight-line attribution method, over the requisite service period, for stock options, restricted stock units (RSUs) and restricted stock, and over the offering period, for the purchase rights issued under the ESPP.

Our use of the Black-Scholes option-pricing model to estimate the fair value of stock options granted requires the input of highly subjective assumptions. These assumptions and estimates are as follows:

Fair value — Prior to the IPO, our stock was not publicly traded and we estimated the fair value of common stock using various methodologies, including valuation analyses performed by third-party valuation firms. After the IPO, we used the publicly quoted price as reported on the Nasdaq Global Select Market as the fair value of our common stock.

Expected volatility — Expected volatility is a measure of the amount by which the stock price is expected to fluctuate. Since we do not have sufficient trading history of our common stock, we estimate the expected volatility of its stock options at their grant date by taking the weighted-average historical volatility of a group of comparable publicly-traded companies over a period equal to the expected life of the options.

Expected term — We determine the expected term based on the average period the stock options are expected to remain outstanding, generally calculated as the midpoint of the stock option's vesting term and contractual expiration period, as we do not have sufficient historical information to develop reasonable expectations about future exercise patterns and post-vesting employment termination behavior.

Risk-free rate — We use the U.S. Treasury yield that corresponds with the expected term.

Expected dividend yield — We utilize a dividend yield of zero, as we do not currently issue dividends and do not expect to in the future.

The following table summarizes the assumptions, other than fair value of our common stock, relating to our stock options granted in the year ended January 31, 2019, 2018, and 2017:

	Year Ended January 31,		
	2019	2018	2017
Expected volatility	40%	40% - 41%	40% - 44%
Expected term (in years)	6.3	6.3 - 6.4	5.5 - 6.9
Risk-free interest rate	2.70%	1.87% - 2.21%	1.13% - 2.28%
Expected dividend yield	—	—	—

Recent Accounting Pronouncements

See Note 2 to our consolidated financial statements “Summary of Significant Accounting Policies—Recently Adopted Accounting Pronouncements and Recent Accounting Pronouncements Not Yet Adopted” for more information.

Item 7A. Quantitative and Qualitative Disclosures about Market Risk

Foreign Currency Exchange Risk

The functional currencies of our foreign subsidiaries are the respective local currencies. Most of our sales are denominated in U.S. dollars, and therefore our revenue is not currently subject to significant foreign currency risk. Our operating expenses are denominated in the currencies of the countries in which our operations are located, which are primarily in the United States, the United Kingdom, Canada and Australia. Our consolidated results of operations and cash flows are, therefore, subject to fluctuations due to changes in foreign currency exchange rates and may be adversely affected in the future due to changes in foreign exchange rates. To date, we have not entered into any hedging arrangements with respect to foreign currency risk or other derivative financial instruments. During the years ended January 31, 2019, 2018 and 2017, a hypothetical 10% change in foreign currency exchange rates applicable to our business would not have had a material impact on our consolidated financial statements.

Interest Rate Risk

We had cash, cash equivalents and short-term investments totaling \$563.8 million as of January 31, 2019, of which \$516.2 million was invested in money market funds, U.S. treasury securities and corporate debt securities. Our cash and cash equivalents are held for working capital purposes. Our short-term investments are made for capital preservation purposes. We do not enter into investments for trading or speculative purposes.

Our cash equivalents and our investment portfolio are subject to market risk due to changes in interest rates. Fixed rate securities may have their market value adversely affected due to a rise in interest rates. Due in part to these factors, our future investment income may fall short of our expectations due to changes in interest rates or we may suffer losses in principal if we are forced to sell securities that decline in market value due to changes in interest rates. However, because we classify our short-term investments as “available for sale,” no gains or losses are recognized due to changes in interest rates unless such securities are sold prior to maturity or declines in fair value are determined to be other-than-temporary.

As of January 31, 2019, a hypothetical 10% relative change in interest rates would not have had a material impact on the value of our cash equivalents or investment portfolio. Fluctuations in the value of our cash equivalents and investment portfolio caused by a change in interest rates (gains or losses on the carrying value) are recorded in other comprehensive income (loss), and are realized only if we sell the underlying securities prior to maturity.

Item 8. FINANCIAL STATEMENTS AND SUPPLEMENTARY DATA

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Report of Ernst & Young LLP, Independent Registered Public Accounting Firm

To the Stockholders and the Board of Directors of Okta, Inc.

Opinion on the Financial Statements

We have audited the accompanying consolidated balance sheets of Okta, Inc. (the Company) as of January 31, 2019 and 2018, the related consolidated statements of operations, comprehensive loss, redeemable convertible preferred stock and stockholders' equity (deficit), and cash flows for each of the three years in the period ended January 31, 2019, and the related notes (collectively referred to as the "consolidated financial statements"). In our opinion, the consolidated financial statements present fairly, in all material respects, the financial position of the Company at January 31, 2019 and 2018, and the results of its operations and its cash flows for each of the three years in the period ended January 31, 2019, in conformity with U.S. generally accepted accounting principles.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the Company's internal control over financial reporting as of January 31, 2019, based on criteria established in Internal Control-Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) and our report dated March 14, 2019 expressed an unqualified opinion thereon.

Adoption of New Accounting Standard

As discussed in Note 2 to the consolidated financial statements, the Company changed its method for accounting for revenue from contracts with customers in fiscal year 2019, due to the adoption of the new revenue standard. The Company adopted the new revenue standard using the full retrospective approach.

Basis for Opinion

These financial statements are the responsibility of the Company's management. Our responsibility is to express an opinion on the Company's financial statements based on our audits. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audits in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether the financial statements are free of material misstatement, whether due to error or fraud. Our audits included performing procedures to assess the risks of material misstatement of the financial statements, whether due to error or fraud, and performing procedures that respond to those risks. Such procedures included examining, on a test basis, evidence regarding the amounts and disclosures in the financial statements. Our audits also included evaluating the accounting principles used and significant estimates made by management, as well as evaluating the overall presentation of the financial statements. We believe that our audits provide a reasonable basis for our opinion.

/s/ Ernst & Young LLP

We have served as the Company's auditor since 2013.
San Francisco, California
March 14, 2019

Report of Ernst & Young LLP, Independent Registered Public Accounting Firm

To the Stockholders and the Board of Directors of Okta, Inc.

Opinion on Internal Control over Financial Reporting

We have audited Okta, Inc.'s internal control over financial reporting as of January 31, 2019, based on criteria established in Internal Control—Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework) (the COSO criteria). In our opinion, Okta, Inc. (the Company) maintained, in all material respects, effective internal control over financial reporting as of January 31, 2019, based on the COSO criteria.

We also have audited, in accordance with the standards of the Public Company Accounting Oversight Board (United States) (PCAOB), the consolidated balance sheets of the Company as of January 31, 2019 and 2018, the related consolidated statements of operations, comprehensive loss, redeemable convertible preferred stock and stockholders' equity (deficit), and cash flows for each of the three years in the period ended January 31, 2019, and the related notes and our report dated March 14, 2019 expressed an unqualified opinion thereon.

Basis for Opinion

The Company's management is responsible for maintaining effective internal control over financial reporting and for its assessment of the effectiveness of internal control over financial reporting included in the accompanying Management's Report on Internal Control over Financial Reporting. Our responsibility is to express an opinion on the Company's internal control over financial reporting based on our audit. We are a public accounting firm registered with the PCAOB and are required to be independent with respect to the Company in accordance with the U.S. federal securities laws and the applicable rules and regulations of the Securities and Exchange Commission and the PCAOB.

We conducted our audit in accordance with the standards of the PCAOB. Those standards require that we plan and perform the audit to obtain reasonable assurance about whether effective internal control over financial reporting was maintained in all material respects.

Our audit included obtaining an understanding of internal control over financial reporting, assessing the risk that a material weakness exists, testing and evaluating the design and operating effectiveness of internal control based on the assessed risk, and performing such other procedures as we considered necessary in the circumstances. We believe that our audit provides a reasonable basis for our opinion.

Definition and Limitations of Internal Control Over Financial Reporting

A company's internal control over financial reporting is a process designed to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles. A company's internal control over financial reporting includes those policies and procedures that (1) pertain to the maintenance of records that, in reasonable detail, accurately and fairly reflect the transactions and dispositions of the assets of the company; (2) provide reasonable assurance that transactions are recorded as necessary to permit preparation of financial statements in accordance with generally accepted accounting principles, and that receipts and expenditures of the company are being made only in accordance with authorizations of management and directors of the company; and (3) provide reasonable assurance regarding prevention or timely detection of unauthorized acquisition, use, or disposition of the company's assets that could have a material effect on the financial statements.

Because of its inherent limitations, internal control over financial reporting may not prevent or detect misstatements. Also, projections of any evaluation of effectiveness to future periods are subject to the risk that controls may become inadequate because of changes in conditions, or that the degree of compliance with the policies or procedures may deteriorate.

/s/ Ernst & Young LLP

San Francisco, California

March 14, 2019

OKTA, INC.

CONSOLIDATED BALANCE SHEETS

(in thousands, except per share data)

	As of January 31,	
	2019	2018 As Adjusted ⁽¹⁾
Assets		
Current assets:		
Cash and cash equivalents	\$ 298,394	\$ 127,949
Short-term investments	265,374	101,765
Accounts receivable, net of allowances of \$2,098 and \$1,472	91,926	52,248
Deferred commissions	24,185	17,755
Prepaid expenses and other current assets	29,451	17,781
Total current assets	709,330	317,498
Property and equipment, net	52,921	12,540
Deferred commissions, noncurrent	54,812	40,755
Intangible assets, net	13,897	11,761
Goodwill	18,089	6,282
Other assets	15,286	10,427
Total assets	\$ 864,335	\$ 399,263
Liabilities and stockholders' equity		
Current liabilities:		
Accounts payable	\$ 17,212	\$ 9,566
Accrued expenses and other current liabilities	9,959	6,187
Accrued compensation	19,770	12,374
Convertible senior notes, net	271,628	—
Deferred revenue	245,622	159,816
Total current liabilities	564,191	187,943
Deferred revenue, noncurrent	8,768	4,963
Other liabilities, noncurrent	38,999	7,017
Total liabilities	611,958	199,923
Commitments and contingencies (Note 10)		
Stockholders' equity:		
Preferred stock, par value \$0.0001 per share; 100,000 shares authorized, no shares issued and outstanding as of January 31, 2019 and 2018.	—	—
Class A Common stock, par value \$0.0001 per share; 1,000,000 shares authorized as of January 31, 2019 and 2018, respectively; 101,093 and 70,610 shares issued and outstanding as of January 31, 2019 and 2018, respectively.	10	7
Class B Common stock, par value \$0.0001 per share; 120,000 shares authorized as of January 31, 2019 and 2018, respectively; 11,059 and 33,361 shares issued and outstanding as of January 31, 2019 and 2018, respectively.	1	3
Additional paid-in capital	744,896	565,653
Accumulated other comprehensive income (loss)	(319)	391
Accumulated deficit	(492,211)	(366,714)
Total stockholders' equity	252,377	199,340
Total liabilities and stockholders' equity	\$ 864,335	\$ 399,263

⁽¹⁾ See Note 2 for a summary of adjustments.

See Notes to Consolidated Financial Statements.

OKTA, INC.

CONSOLIDATED STATEMENTS OF OPERATIONS

(in thousands, except per share data)

	Year Ended January 31,		
	2019	2018 As Adjusted ⁽¹⁾	2017 As Adjusted ⁽¹⁾
Revenue			
Subscription	\$ 370,855	\$ 236,422	\$ 144,909
Professional services and other	28,399	20,125	15,897
Total revenue	399,254	256,547	160,806
Cost of revenue			
Subscription	77,354	52,481	34,211
Professional services and other	36,067	28,274	21,738
Total cost of revenue	113,421	80,755	55,949
Gross profit	285,833	175,792	104,857
Operating expenses			
Research and development	102,385	70,821	38,659
Sales and marketing	227,960	165,020	110,769
General and administrative	75,110	51,803	30,099
Total operating expenses	405,455	287,644	179,527
Operating loss	(119,622)	(111,852)	(74,670)
Interest expense	(15,072)	—	—
Other income (expense), net	9,180	1,682	39
Loss before provision for (benefit from) income taxes	(125,514)	(110,170)	(74,631)
Provision for (benefit from) income taxes	(17)	(321)	425
Net loss	\$ (125,497)	\$ (109,849)	\$ (75,056)
Net loss per share attributable to common stockholders, basic and diluted	\$ (1.17)	\$ (1.32)	\$ (3.94)
Weighted-average shares used to compute net loss per share attributable to common stockholders, basic and diluted	107,504	83,004	19,038

⁽¹⁾ See Note 2 for a summary of adjustments.

See Notes to Consolidated Financial Statements.

OKTA, INC.

CONSOLIDATED STATEMENTS OF COMPREHENSIVE LOSS

(in thousands)

	Year Ended January 31,		
	2019	2018 As Adjusted ⁽¹⁾	2017 As Adjusted ⁽¹⁾
Net loss	\$ (125,497)	\$ (109,849)	\$ (75,056)
Net change in unrealized gains (losses) on available-for-sale securities	179	(202)	10
Foreign currency translation adjustments	(889)	760	(120)
Other comprehensive income (loss)	(710)	558	(110)
Comprehensive loss	\$ (126,207)	\$ (109,291)	\$ (75,166)

⁽¹⁾ See Note 2 for a summary of adjustments.

See Notes to Consolidated Financial Statements.

OKTA, INC.

CONSOLIDATED STATEMENTS OF REDEEMABLE CONVERTIBLE PREFERRED STOCK AND STOCKHOLDERS' EQUITY (DEFICIT)

(dollars in thousands)

	Redeemable Convertible Preferred Stock		Class A Common Stock		Class B Common Stock		Additional Paid-in Capital		Accumulated Other Comprehensive Income (Loss)		Accumulated Deficit		Total Stockholders' Equity (Deficit)	
	Shares	Amount	Shares	Amount	Shares	Amount					As Adjusted ⁽¹⁾	As Adjusted ⁽¹⁾	As Adjusted ⁽¹⁾	As Adjusted ⁽¹⁾
Balances as of January 31, 2016	59,465,439	\$ 227,954	—	—	19,325,074	\$ 2	\$ 23,393	—	\$ (57)	\$ (181,609)	\$ (158,271)			
Issuance of common stock upon exercise of stock options and other activity, net	—	—	—	—	954,329	—	3,298	—	—	—	3,298			
Issuance of common stock pursuant to charitable donation	—	—	—	—	13,935	—	129	—	—	—	129			
Stock-based compensation	—	—	—	—	—	—	17,649	—	—	—	17,649			
Other comprehensive loss	—	—	—	—	—	—	—	—	(110)	—	(110)			
Net loss	—	—	—	—	—	—	—	—	—	—	(75,056)			
Balances as of January 31, 2017	59,465,439	227,954	—	—	20,293,338	2	44,469	—	(167)	(256,665)	(212,361)			
Issuance of common stock upon exercise of stock options and other activity, net	—	—	8,274,599	1	900,517	—	34,697	—	—	—	34,698			
Issuance of common stock upon net exercise of warrant	—	—	—	—	168,750	—	—	—	—	—	—			
Issuance of common stock in connection with initial public offering, net of underwriting discounts and issuance costs	—	—	—	—	—	—	—	—	—	—	—			
Issuance of Series B redeemable convertible preferred stock upon net exercise of warrants	26,201	408	—	—	—	—	—	—	—	—	—			
Conversion of convertible preferred stock to common stock in connection with initial public offering	(59,491,640)	(228,362)	—	—	59,491,640	6	228,356	—	—	—	228,362			
Issuance of common stock and restricted stock in connection with acquisition	—	—	—	—	1,598,500	—	3,652	—	—	—	3,652			
Issuance of common stock pursuant to charitable donation	—	—	24,287	—	—	—	708	—	—	—	708			
Issuance of common stock under employee stock purchase plan	—	—	569,373	—	—	—	8,369	—	—	—	8,369			
Conversion of Class B common stock to Class A common stock	—	—	49,091,639	5	(49,091,639)	(5)	—	—	—	—	—			
Cumulative-effect adjustment in connection with the adoption of ASU 2016-09	—	—	—	—	—	—	200	—	—	(200)	—			
Stock-based compensation	—	—	—	—	—	—	50,858	—	—	—	50,858			
Other comprehensive loss	—	—	—	—	—	—	—	558	—	—	558			
Net loss	—	—	—	—	—	—	—	—	—	—	(109,849)			
Balances as of January 31, 2018	—	—	70,609,898	7	33,361,106	3	565,653	391	(366,714)	199,340				

	Redeemable Convertible Preferred Stock		Class A Common Stock		Class B Common Stock		Additional Paid-in Capital	Accumulated Other Comprehensive Income (Loss)	Accumulated Deficit	Total Stockholders' Equity (Deficit)
	Shares	Amount	Shares	Amount	Shares	Amount				
Issuance of common stock upon exercise of stock options and other activity, net	—	—	6,465,957	1	104,084	—	37,610	—	—	37,611
Issuance of common stock under employee stock purchase plan	—	—	615,210	—	—	—	13,727	—	—	13,727
Issuance of common stock for settlement of RSUs	—	—	976,248	—	—	—	—	—	—	—
Issuance of common stock pursuant to charitable donation	—	—	20,000	—	—	—	1,008	—	—	1,008
Conversion of Class B common stock to Class A common stock	—	—	22,406,009	2	(22,406,009)	(2)	—	—	—	—
Equity component of convertible senior notes, net of issuance costs	—	—	—	—	—	—	77,631	—	—	77,631
Issuance of warrants related to convertible notes	—	—	—	—	—	—	52,440	—	—	52,440
Purchase of convertible senior notes hedges	—	—	—	—	—	—	(80,040)	—	—	(80,040)
Stock-based compensation	—	—	—	—	—	—	76,867	—	—	76,867
Other comprehensive loss	—	—	—	—	—	—	—	(710)	—	(710)
Net loss	—	—	—	—	—	—	—	—	(125,497)	(125,497)
Balances as of January 31, 2019	—	\$ —	101,093,322	\$ 10	11,059,181	\$ 1	\$744,896	\$ (319)	\$ (492,211)	\$ 252,377

(1) See Note 2 for a summary of adjustments. The cumulative effect adjustment to Accumulated Deficit and Total Stockholders' Equity (Deficit) related to the adoption of ASU No. 2014-09 (Topic 606) as of January 31, 2016 was \$22.8 million.

See Notes to Consolidated Financial Statements.

OKTA, INC.

CONSOLIDATED STATEMENTS OF CASH FLOWS

(in thousands)

	Year Ended January 31,		
	2019	2018 As Adjusted ⁽¹⁾	2017 As Adjusted ⁽¹⁾
Cash flows from operating activities:			
Net loss	\$ (125,497)	\$ (109,849)	\$ (75,056)
Adjustments to reconcile net loss to net cash provided by (used in) operating activities:			
Stock-based compensation	76,320	49,860	17,127
Depreciation, amortization and accretion	8,001	7,001	4,568
Amortization of debt discount and issuance costs	14,279	—	—
Amortization of deferred commissions	20,852	15,180	10,466
Deferred income taxes	(765)	(534)	—
Write-off of intangible assets	—	1,114	—
Non-cash charitable contributions	1,008	708	129
Other, net	640	719	575
Changes in operating assets and liabilities:			
Accounts receivable	(39,682)	(18,321)	(11,993)
Deferred commissions	(41,342)	(26,986)	(24,096)
Prepaid expenses and other assets	(11,624)	(9,400)	(3,224)
Accounts payable	675	3,505	1,529
Accrued compensation	7,429	3,582	1,967
Accrued expenses and other liabilities	15,575	521	2,387
Deferred revenue	89,303	57,660	33,520
Net cash provided by (used in) operating activities	15,172	(25,240)	(42,101)
Cash flows from investing activities:			
Capitalized internal-use software costs	(2,851)	(5,431)	(5,489)
Purchases of property and equipment	(19,811)	(6,550)	(6,253)
Proceeds from sales of property and equipment	740	—	—
Purchases of securities available for sale	(631,488)	(129,086)	—
Proceeds from maturities and redemption of securities available for sale	298,650	39,825	12,500
Proceeds from sales of securities available for sale	173,072	1,538	6,207
Payments for business acquisition	(15,632)	—	—
Net cash provided by (used in) investing activities	(197,320)	(99,704)	6,965
Cash flows from financing activities:			
Proceeds from initial public offering, net of underwriters' discounts and commissions	—	199,948	—
Proceeds from issuance of convertible senior notes, net of issuance costs	334,980	—	—
Purchase of convertible senior notes hedge	(80,040)	—	—
Proceeds from issuance of warrants related to convertible notes	52,440	—	—
Payments of deferred offering costs	—	(4,038)	(1,584)
Proceeds from exercise of stock options, net of repurchases and other	36,861	33,646	2,437
Proceeds from issuance of convertible redeemable preferred stock, net of issuance costs	—	8,369	—
Proceeds from shares issued in connection with employee stock purchase plan	13,727	—	—
Other, net	(206)	(517)	(396)
Net cash provided by financing activities	357,762	237,408	457

	Year Ended January 31,		
	2019	2018 As Adjusted ⁽¹⁾	2017 As Adjusted ⁽¹⁾
Effects of changes in foreign currency exchange rates on cash, cash equivalents and restricted cash	(632)	487	(120)
Net increase (decrease) in cash, cash equivalents and restricted cash	174,982	112,951	(34,799)
Cash, cash equivalents and restricted cash at beginning of year	136,233	23,282	58,081
Cash, cash equivalents and restricted cash at end of year	<u>\$ 311,215</u>	<u>\$ 136,233</u>	<u>\$ 23,282</u>
Supplementary cash flow disclosure:			
Cash paid during the period for:			
Income taxes	514	747	—
Non-cash investing and financing activities:			
Vesting of early exercised common stock options	763	1,335	1,297
Issuance of common stock in connection with warrant exercises	—	272	—
Common stock issued as charitable contribution	1,008	708	129
Assets acquired under financing arrangement	—	—	386
Deferred offering costs, accrued but not yet paid	—	—	2,106
Property and equipment acquired through tenant improvement allowances	22,236	—	1,332
Property and equipment and other accrued but not yet paid	7,225	111	1,367
Issuance of common stock in connection with business combination	—	2,160	—
Conversion of redeemable convertible preferred stock to common stock	—	228,362	—
Reconciliation of cash, cash equivalents, and restricted cash within the consolidated balance sheets to the amounts shown in the statements of cash flows above:			
Cash and cash equivalents	\$ 298,394	\$ 127,949	\$ 23,282
Restricted cash, current	1,384	—	—
Restricted cash, noncurrent	11,437	8,284	—
Total cash, cash equivalents and restricted cash	<u>\$ 311,215</u>	<u>\$ 136,233</u>	<u>\$ 23,282</u>

⁽¹⁾ See Note 2 for a summary of adjustments.

See Notes to Consolidated Financial Statements.

OKTA, INC.

NOTES TO CONSOLIDATED FINANCIAL STATEMENTS

1. Overview and Basis of Presentation

Description of Business

Okta, Inc. (the Company) is the leading identity management platform for the enterprise. The Okta Identity Cloud enables customers to securely connect people to technology, anywhere, anytime and from any device. The Company was incorporated in January 2009 as Saasure, Inc., a California corporation, and was later reincorporated in April 2010 under the name Okta, Inc. as a Delaware corporation. The Company is headquartered in San Francisco, California.

Basis of Presentation and Principles of Consolidation

The accompanying consolidated financial statements, which include the accounts of the Company and its wholly owned subsidiaries, have been prepared in conformity with accounting principles generally accepted in the United States of America (GAAP). All intercompany balances and transactions have been eliminated in consolidation. Certain immaterial reclassifications of prior period amounts have been made in our consolidated balance sheets and consolidated statements of cash flows to conform to the current period presentation.

The Company's fiscal year ends on January 31. References to fiscal 2019, for example, refer to the fiscal year ended January 31, 2019.

Initial Public Offering

In April 2017, the Company completed an initial public offering (IPO), in which the Company issued and sold 12,650,000 shares of its newly authorized Class A common stock at a public offering price of \$17.00 per share. The Company received aggregate proceeds of \$200.0 million from the IPO, net of underwriters' discounts and commissions, before deducting offering costs of approximately \$5.6 million. Immediately prior to the completion of the IPO, all shares of common stock then outstanding were reclassified as Class B common stock, and all shares of redeemable convertible preferred stock then outstanding were converted into 59,491,640 shares of common stock on a one-to-one basis and then reclassified into Class B common stock.

Convertible Senior Notes

In February 2018, the Company issued \$345.0 million aggregate principal amount of 0.25% convertible senior notes due February 15, 2023 in a private offering, including the initial purchasers' exercise in full of their option to purchase additional notes (2023 Notes). The Company received aggregate proceeds of \$345.0 million, before deducting costs of issuance of \$10.0 million. See Note 9 for additional details.

Use of Estimates

The preparation of consolidated financial statements in conformity with GAAP requires management to make estimates, judgments and assumptions that affect the reported amounts of assets and liabilities, disclosure of contingent assets and liabilities at the date of the consolidated financial statements and the reported amounts of revenue and expenses during the reporting period. The Company bases its estimates on historical experience and on other assumptions that its management believes are reasonable under the circumstances. Actual results could vary from those estimates. The Company's most significant estimates include the stand alone selling price (SSP) for each distinct performance obligation included in customer contracts with multiple performance obligations, the determination of the period of benefit for deferred commissions, the determination of the effective interest rate of the liability components of the 2023 Notes, determination of the fair value of the Company's common stock prior to the completion of the IPO, the valuation of deferred income tax assets and contingencies and the valuation of acquired intangible assets.

Foreign Currency

The functional currencies of the Company's foreign subsidiaries are the respective local currencies. Translation adjustments arising from the use of differing exchange rates from period to period are included in accumulated other comprehensive loss within the consolidated statements of redeemable convertible preferred stock and stockholders' equity (deficit). Foreign currency transaction gains and losses are included in other expense, net in the consolidated statements of operations and were not material for the years ended January 31, 2019, 2018 or 2017. All assets and liabilities denominated in a foreign currency are translated into U.S. dollars at the exchange rate on the balance sheet date. Revenue and expenses are translated at the average exchange rate during the period, and equity balances are translated using historical exchange rates.

2. Summary of Significant Accounting Policies

Segment Information

The Company operates in a single operating segment. The Company's chief operating decision maker is its chief executive officer, who reviews financial information presented on a consolidated basis for purposes of making operating decisions, assessing financial performance and allocating resources.

Revenue Recognition

The Company derives revenue from subscription fees (which include support fees) and professional services fees. The Company sells subscriptions to its platform through arrangements that are generally one to five years in length. The Company's arrangements are generally noncancelable and nonrefundable. Furthermore, if a customer reduces the contracted usage or service level, the customer has no right of refund. The Company's subscription arrangements do not provide customers with the right to take possession of the software supporting the platform and, as a result, are accounted for as service arrangements. This revenue recognition policy is consistent for sales generated directly with customers and sales generated indirectly through channel partners.

The Company determines revenue recognition through the following steps:

- Identification of the contract, or contracts, with a customer;
- Identification of the performance obligations in the contract;
- Determination of the transaction price;
- Allocation of the transaction price to the performance obligations in the contract; and
- Recognition of revenue when, or as, the Company satisfies a performance obligation.

Subscription Revenue

Subscription revenue, which includes support, is recognized on a straight-line basis over the noncancelable contractual term of the arrangement, generally beginning on the date that the Company's service is made available to the customer.

Professional Services Revenue

The Company's professional services principally consist of customer-specific requests for application integrations, user interface enhancements and other customer-specific requests. Revenue for the Company's professional services is recognized as services are performed in proportion to their pattern of transfer.

Contracts with Multiple Performance Obligations

Some of the Company's contracts with customers contain multiple performance obligations. For these contracts, the Company accounts for individual performance obligations separately if they are distinct. The

transaction price is allocated to the separate performance obligations on a relative SSP basis. The Company determines SSP based on observable, if available, prices for those related services when sold separately. When such observable prices are not available, the Company determines SSP based on overarching pricing objectives and strategies, taking into consideration market conditions and other factors, including customer size, volume purchased, market and industry conditions, product-specific factors and historical sales of the deliverables.

Deferred Revenue

Deferred revenue consists of customer billings in advance of revenue being recognized from the Company's subscription and support services and professional services arrangements. The Company primarily invoices its customers for its subscription services arrangements annually in advance. The Company's payment terms generally provide that customers pay the invoiced portion of the total arrangement fee within 30 days of the invoice date. Amounts anticipated to be recognized within one year of the balance sheet date are recorded as deferred revenue, current; the remaining portion is recorded as deferred revenue, noncurrent in the consolidated balance sheets.

Deferred Commissions

Sales commissions earned by the Company's sales force are considered incremental and recoverable costs of obtaining a contract with a customer. Sales commissions for new revenue contracts, including incremental sales to existing customers, are deferred and then amortized on a straight-line basis over a period of benefit, which the Company has determined to be generally five years. The Company determined the period of benefit by taking into consideration its customer contracts, its technology and other factors. Sales commissions for renewal contracts (which are not considered commensurate with sales commissions for new revenue contracts and incremental sales to existing customers) are deferred and then amortized on a straight-line basis over the related period of benefit, which is generally the related contract renewal term. Amortization expense is included in sales and marketing expenses in the accompanying consolidated statements of operations.

Sales commissions capitalized as contract costs totaled \$41.3 million and \$27.0 million in the years ended January 31, 2019 and 2018, respectively. Amortization of contract costs was \$20.9 million, \$15.2 million and \$10.5 million for the years ended January 31, 2019, 2018 and 2017, respectively. There was no impairment loss in relation to the costs capitalized.

Cost of Revenue

Costs of revenue primarily consist of costs related to providing the Company's cloud-based platform to its customers, including third-party hosting fees, amortization of capitalized internal-use software and finite-lived purchased developed technology, customer support, other employee-related expenses for security, technical operations and professional services staff, and allocated overhead costs.

Cash, Cash Equivalents and Restricted Cash

Cash and cash equivalents consist of cash on hand and highly liquid investments with original maturities of three months or less from the date of purchase. Cash equivalents generally consist of investments in money market funds. The fair market value of cash equivalents approximated their carrying value as of January 31, 2019 and 2018.

As of January 31, 2019 and 2018, the Company's long-term restricted cash balance was \$11.4 million and \$8.3 million, respectively, related to letters of credit for its facility lease agreements. Long-term restricted cash is included within other assets on the Company's consolidated balance sheet.

Short-term Investments

The Company's short-term investments comprise asset-backed securities, U.S. treasury securities and corporate debt securities. The Company determines the appropriate classification of its short-term investments at

the time of purchase and reevaluates such designation at each balance sheet date. The Company has classified and accounted for its short-term investments as available-for-sale securities as the Company may sell these securities at any time for use in its current operations or for other purposes, even prior to maturity. As a result, the Company classifies its short-term investments, including securities with stated maturities beyond twelve months, within current assets in the consolidated balance sheets.

Available-for-sale securities are recorded at fair value each reporting period. Unrealized gains and losses on these short-term investments are reported as a separate component of accumulated other comprehensive loss in the consolidated balance sheets until realized. Interest income is reported within other income (expense), net in the consolidated statements of operations. The Company periodically evaluates its short-term investments to assess whether those with unrealized loss positions are other-than-temporarily impaired. The Company considers various factors in determining whether to recognize an impairment charge, including the length of time the investment has been in a loss position, the extent to which the fair value is less than the Company's cost basis, the investment's financial condition and near-term prospects of the investee. Realized gains and losses are determined based on the specific identification method and are reported in other income (expense), net in the consolidated statements of operations. If the Company determines that the decline in an investment's fair value is other-than-temporary, the difference is recognized as an impairment loss in the consolidated statements of operations.

Accounts Receivable and Allowances

Accounts receivable are recorded at the invoiced amount, net of allowances. These allowances are based on the Company's assessment of the collectibility of accounts by considering the age of each outstanding invoice, the collection history of each customer and an evaluation of potential risk of loss associated with delinquent accounts. Amounts deemed uncollectible are recorded to these allowances in the consolidated balance sheets with an offsetting decrease in related deferred revenue and a charge to general and administrative expense in the consolidated statement of operations.

Property and Equipment

Property and equipment, net, is stated at cost less accumulated depreciation. Depreciation is recorded using the straight-line method over the estimated useful lives of the respective assets. Repairs and maintenance costs are expensed as incurred.

The useful lives of property and equipment are as follows:

	<u>Useful lives</u>
Capitalized internal-use software costs	3 years
Computers and equipment	3 years
Furniture and fixtures	7 years
Leasehold improvements	Shorter of estimated useful life or remaining lease term

Capitalized Internal-Use Software Costs

The Company capitalizes as intangible assets certain costs incurred during the application development stage in connection with software development for its platform. Costs related to preliminary project activities and post-implementation activities are expensed as incurred. Capitalized costs are recorded as part of intangible assets. Maintenance and training costs are expensed as incurred.

Capitalized internal-use software costs are amortized on a straight-line basis over the software's estimated useful life, which is generally three years. The Company records amortization related to capitalized internal-use software within subscription cost of revenue in the consolidated statements of operations. The Company evaluates the useful lives of these assets on an annual basis and tests for impairment whenever events or changes in circumstances occur that could impact the recoverability of these assets.

Business Combinations

When the Company acquires a business, the purchase price is allocated to the net tangible and identifiable intangible assets acquired. Any residual purchase price is recorded as goodwill. The allocation of the purchase price requires management to make estimates in determining the fair values of assets acquired and liabilities assumed, especially with respect to intangible assets. These estimates can include, but are not limited to, the cash flows that an asset is expected to generate in the future, the appropriate weighted-average cost of capital and the cost savings expected to be derived from acquiring an asset. These estimates are inherently uncertain and unpredictable. During the measurement period, which may be up to one year from the acquisition date, adjustments to the fair value of these tangible and intangible assets acquired and liabilities assumed may be recorded, with the corresponding offset to goodwill. Upon the conclusion of the measurement period or final determination of the fair value of assets acquired or liabilities assumed, whichever comes first, any subsequent adjustments are recorded to the consolidated statements of operations.

Goodwill and Other Long-Lived Assets

The excess of the purchase price over the estimated fair value of net assets of businesses acquired in a business combination is recognized as goodwill. Goodwill is tested for impairment annually on November 1st or more frequently if certain indicators are present.

Long-lived assets, such as property and equipment and finite-lived intangible assets subject to amortization are reviewed for impairment whenever events or changes in circumstances indicate that the carrying amount of any asset may not be recoverable. Recoverability of assets to be held and used is measured by comparing the carrying amount to the estimated undiscounted future cash flows expected to be generated. If the carrying amount exceeds the undiscounted cash flows, the assets are determined to be impaired and an impairment charge is recognized as the amount by which the carrying amount exceeds its fair value.

The Company amortizes intangible assets with finite lives on a straight-line basis over their estimated useful lives in cost of revenue in the consolidated statements of operations.

Convertible Senior Notes

The 2023 Notes are accounted for in accordance with FASB ASC Subtopic 470-20, Debt with Conversion and Other Options. Pursuant to ASC Subtopic 470-20, issuers of certain convertible debt instruments, such as the 2023 Notes, that have a net settlement feature and may be settled wholly or partially in cash upon conversion are required to separately account for the liability (debt) and equity (conversion option) components of the instrument. The carrying amount of the liability component of the instrument is computed by estimating the fair value of a similar liability without the conversion option. The amount of the equity component is then calculated by deducting the fair value of the liability component from the principal amount of the instrument. The difference between the principal amount and the liability component represents a debt discount that is amortized to interest expense over the respective term of the 2023 Notes using the effective interest rate method. The equity component is not remeasured as long as it continues to meet the conditions for equity classification. In accounting for the issuance costs related to the 2023 Notes, the allocation of issuance costs incurred between the liability and equity components was based on their relative values.

Advertising Expenses

Advertising costs are expensed as incurred. Advertising expense was \$10.0 million, \$9.4 million, and \$4.4 million for the years ended January 31, 2019, 2018 and 2017.

Stock-Based Compensation

Stock-based compensation issued to employees and non-employees, including the purchase rights issued under the Company's 2017 Employee Stock Purchase Plan (ESPP), is measured based on the grant-date fair

value of the awards and recognized as an expense following the straight-line attribution method over the requisite service period for stock options, restricted stock units (RSUs) and restricted stock, and over the offering period for the purchase rights issued under the ESPP.

The Company's use of the Black-Scholes option-pricing model to estimate the fair value of stock options granted requires the input of highly subjective assumptions. These assumptions and estimates are as follows:

Fair value — Prior to the IPO, the Company's stock was not publicly traded and it estimated the fair value of common stock using various methodologies, including valuation analyses performed by third-party valuation firms. After the IPO, the Company used the publicly quoted price as reported on the Nasdaq Global Select Market as the fair value of its common stock.

Expected volatility — Expected volatility is a measure of the amount by which the stock price is expected to fluctuate. Since the Company does not have sufficient trading history of its common stock, it estimates the expected volatility of its stock options at their grant date by taking the weighted-average historical volatility of a group of comparable publicly-traded companies over a period equal to the expected life of the options.

Expected term — The Company determines the expected term based on the average period the stock options are expected to remain outstanding, generally calculated as the midpoint of the stock option's vesting term and contractual expiration period, as the Company does not have sufficient historical information to develop reasonable expectations about future exercise patterns and post-vesting employment termination behavior.

Risk-free rate — The Company uses the U.S. Treasury yield that corresponds with the expected term.

Expected dividend yield — The Company utilizes a dividend yield of zero, as it does not currently issue dividends and does not expect to in the future.

Income Taxes

The Company accounts for income taxes in accordance with the liability method of accounting for income taxes. Under this method, the Company recognizes deferred tax assets and liabilities for the expected future tax consequences of temporary differences between the financial reporting and tax basis of assets and liabilities, as well as for operating loss and tax credit carryforwards. Deferred tax assets and liabilities are measured using enacted tax rates that are expected to apply to taxable income for the years in which those tax assets and liabilities are expected to be realized or settled.

The Company records a valuation allowance to reduce its deferred tax assets to the net amount that the Company believes is more likely than not to be realized. In assessing the need for a valuation allowance, the Company has considered its historical levels of income, expectations of future taxable income and ongoing tax planning strategies. Because of the uncertainty of the realization of the deferred tax assets, the Company has recorded a full valuation allowance against its deferred tax assets. Realization of its deferred tax assets is dependent primarily upon future U.S. taxable income.

The Company recognizes and measures tax benefits from uncertain tax positions using a two-step approach.

The first step is to evaluate the tax position taken or expected to be taken by determining if the weight of available evidence indicates that it is more likely than not that the tax position will be sustained in an audit, including resolution of any related appeals or litigation processes. The second step is to measure the tax benefit as the largest amount that is more than 50% likely to be realized upon ultimate settlement. Significant judgment is required to evaluate uncertain tax positions.

Although the Company believes that it has adequately reserved for its uncertain tax positions, it can provide no assurance that the final tax outcome of these matters will not be materially different. The Company

evaluates its uncertain tax position on a regular basis and evaluations are based on a number of factors, including changes in facts and circumstances, changes in tax law, correspondence with tax authorities during the course of an audit and effective settlement of audit issues.

To the extent that the final tax outcome of these matters is different than the amounts recorded, such differences will affect the provision for income taxes in the period in which such determination is made and could have a material impact on the Company's financial condition and results of operations. The provision for income taxes includes the effects of any accruals that the Company believes are appropriate, as well as the related net interest and penalties.

Facility Leases

Certain facility lease agreements contain rent holidays, allowances and rent escalation provisions. For these leases, the Company recognizes the related rental expense on a straight-line basis over the lease period of the facility and records the difference between amounts charged to operations and amounts paid as deferred rent. These rent holidays, allowances and rent escalations are considered in determining the straight-line expense to be recorded over the lease term.

Concentrations of Risk and Significant Customers

The Company's financial instruments that are exposed to concentrations of credit risk consist primarily of cash and cash equivalents, short-term investments and accounts receivable. Cash and cash equivalents and short-term investments are currently held in two financial institutions and, at times, may exceed federally insured limits.

As of January 31, 2019 and 2018 and for each of the three years ended January 31, 2019, no single customer represented greater than 10% of accounts receivable or greater than 10% of revenue, respectively.

In order to reduce the risk of downtime of the Company's subscription services, the Company utilizes data center facilities operated by third parties located in Virginia, Oregon, Germany and Ireland. The Company has internal procedures to restore services in the event of disaster at any of its current data center facilities. Even with these procedures for disaster recovery in place, the Company's subscription services could be significantly interrupted during the time period following a disaster at one of its sites and the subsequent restoration of services at another site.

Geographical Information

Revenue by location is determined by the billing address of the customer. The following table sets forth revenue by geographic area (in thousands):

	Year Ended January 31,		
	2019	2018	2017
United States	\$ 337,367	\$ 217,300	\$ 135,364
International	61,887	39,247	25,442
Total	<u>\$ 399,254</u>	<u>\$ 256,547</u>	<u>\$ 160,806</u>

Other than the United States, no individual country exceeded 10% of total revenue for the years ended January 31, 2019, 2018 and 2017. Property and equipment by geographic location is based on the location of the legal entity that owns the asset. As of January 31, 2019 and 2018, substantially all of the Company's property and equipment was located in the United States.

Net Loss per Share

The Company computes basic and diluted net loss per share attributable to common stockholders in conformity with the two-class method required for participating securities. Under the two-class method, basic net

loss per share attributable to common stockholders is calculated by dividing the net loss attributable to common stockholders by the weighted-average number of shares of common stock outstanding during the period, less shares subject to repurchase, without consideration for potentially dilutive securities as they do not share in losses. The diluted net loss per share attributable to common stockholders is computed giving effect to all potential dilutive common stock equivalents outstanding for the period. For purposes of this calculation, options to purchase common stock, unvested RSUs, purchase rights issued under the ESPP, shares subject to repurchase from early exercised options, unvested common stock and restricted stock issued in connection with certain business combinations, convertible senior notes and warrants are considered common stock equivalents but have been excluded from the calculation of diluted net loss per share attributable to common stockholders as the effect is antidilutive. Since the Company's IPO, Class A and Class B common stock are the only outstanding equity of the Company. The rights of the holders of Class A and Class B common stock are identical, except with respect to voting and conversion rights. See Note 14.

Recently Adopted Accounting Pronouncements

In May 2014, the Financial Accounting Standards Board (FASB) issued ASU No. 2014-09, Revenue from Contracts with Customers (Topic 606). Topic 606 supersedes the revenue recognition requirements in Accounting Standards Codification (ASC) Topic 605, Revenue Recognition (Topic 605), and requires the recognition of revenue when promised goods or services are transferred to customers in an amount that reflects the consideration to which the entity expects to be entitled to in exchange for those goods or services. Topic 606 also includes Subtopic 340-40, Other Assets and Deferred Costs - Contracts with Customers, which requires the deferral of incremental costs of obtaining a contract with a customer. Collectively, the Company refers to Topic 606 and Subtopic 340-40 as "ASC 606."

The Company adopted the requirements of ASC 606 as of February 1, 2018, utilizing the full retrospective method of transition. Adoption of ASC 606 resulted in changes to the Company's accounting policies for revenue recognition and deferred commissions as detailed below. The Company applied ASC 606 using a practical expedient where the consideration allocated to the remaining performance obligations and an explanation of when the Company expects to recognize that amount as revenue for all reporting periods presented before the date of the initial application is not disclosed.

The impact of adopting ASC 606 on fiscal 2018 and 2017 revenue is not material. The primary impact of adopting ASC 606 relates to the deferral of incremental costs of obtaining contracts, primarily consisting of sales commissions. Under Topic 605, the Company deferred only direct and incremental commission costs to obtain a contract and amortized those costs on a straight-line basis over the term of the related contract, which was generally one to three years. Under ASC 606, the Company defers all incremental commission costs to obtain the contract. The Company amortizes these costs on a straight-line basis over a period of benefit, determined to be generally five years or the related contractual renewal term.

The Company adjusted its consolidated financial statements from amounts previously reported due to the adoption of ASC 606. Select consolidated statement of operations line items, which reflect the adoption of ASC 606, are as follows (in thousands except per share data):

	Year Ended January 31,					
	2018			2017		
	As Reported	Adoption of ASU 2014-09	As Adjusted	As Reported	Adoption of ASU 2014-09	As Adjusted
Revenue						
Subscription	\$ 239,177	\$ (2,755)	\$ 236,422	\$ 143,136	\$ 1,773	\$ 144,909
Professional services and other	20,813	(688)	20,125	17,190	(1,293)	15,897
Total revenue	259,990	(3,443)	256,547	160,326	480	160,806
Sales and marketing	172,973	(7,953)	165,020	118,742	(7,973)	110,769
Total operating expenses	295,597	(7,953)	287,644	187,500	(7,973)	179,527
Net loss	(114,359)	4,510	(109,849)	(83,509)	8,453	(75,056)
Net loss per share, basic and diluted	\$ (1.38)	\$ 0.06	\$ (1.32)	\$ (4.39)	\$ 0.45	\$ (3.94)

Select consolidated balance sheet line items, which reflect the adoption of ASC 606, are as follows (in thousands):

	As of January 31, 2018		
	As Reported	Adoption of ASU 2014-09	As Adjusted
Assets			
Current assets:			
Deferred commissions	\$ 16,481	\$ 1,274	\$ 17,755
Prepaid expenses and other current assets	16,973	808	17,781
Total current assets	315,416	2,082	317,498
Deferred commissions, noncurrent	10,971	29,784	40,755
Total assets	\$ 367,397	\$ 31,866	\$ 399,263
Liabilities and stockholders' equity			
Deferred revenue	\$ 162,633	\$ (2,817)	\$ 159,816
Total current liabilities	190,760	(2,817)	187,943
Deferred revenue, noncurrent	6,034	(1,071)	4,963
Total liabilities	203,811	(3,888)	199,923
Accumulated deficit	(402,468)	35,754	(366,714)
Total stockholders' equity	\$ 163,586	\$ 35,754	\$ 199,340

The adoption of ASC 606 had no impact on cash provided by or used in operating, investing, or financing activities in the Company's consolidated statement of cash flows. Additionally, the adoption of ASC 606 did not have a material impact on the provision for (benefit from) income taxes. The adoption adjustments impacted the deferred income taxes pertaining to the U.S. entity which are subject to a full valuation allowance.

In February 2018, the FASB issued ASU No. 2018-02, Reclassification of Certain Tax Effects from Accumulated Other Comprehensive Income (ASU 2018-02). Under existing U.S. GAAP, the effects of changes in tax rates and laws on deferred tax balances are recorded as a component of income tax expense in the period in which the law was enacted. When deferred tax balances related to items originally recorded in accumulated other comprehensive income (loss) are adjusted, certain tax effects become stranded in accumulated other comprehensive income. The amendments in ASU 2018-02 allow a reclassification from accumulated other comprehensive income (loss) to retained earnings (accumulated deficit) for stranded income tax effects resulting

from the 2017 Tax Cuts and Jobs Act. The amendments in this ASU also require certain disclosures about stranded income tax effects. The guidance is effective for fiscal years beginning after December 15, 2018, and interim periods within those fiscal years. Early adoption in any period is permitted. The Company's provisional adjustments recorded in fiscal 2018 to account for the impact of the 2017 Tax Cuts and Jobs Act did not result in stranded tax effects. The early adoption of this standard did not have a material impact on the Company's consolidated financial statements.

In June 2018, the FASB issued ASU No. 2018-07, *Compensation—Stock Compensation (Topic 718) Improvements to Non-Employee Share Based Payment Accounting* (ASU 2018-07), with an intent to reduce cost and complexity and to improve financial reporting for share-based payments issued to non-employees. The amendments in ASU 2018-07 provide for the simplification of the measurement of share-based payment transactions for acquiring goods and services from non-employees. This standard expands the scope of Topic 718 to include share-based payments issued to non-employees for goods or services, aligning the accounting for share-based payments to non-employees and employees. This guidance is effective for annual and interim periods beginning after December 15, 2018, and early adoption is permitted. The early adoption of this standard did not have a material impact on the Company's consolidated financial statements.

In August 2018, the FASB issued ASU No. 2018-13, *Disclosure Framework—Changes to the Disclosure Requirements for Fair Value Measurement* (ASU 2018-13), which amends ASC 820, Fair Value Measurement. ASU 2018-13 modifies the disclosure requirements for fair value measurements by removing, modifying or adding certain disclosures. This guidance is effective for the Company on February 1, 2020, with early adoption permitted for the removal and modification of disclosures and delayed adoption until February 1, 2020 permitted for the new disclosures. The removed and modified disclosures have been adopted on a retrospective basis, and the new disclosures have been adopted on a prospective basis. The early adoption of this standard did not have a material impact on the Company's consolidated financial statements.

Recent Accounting Pronouncements Not Yet Adopted

In February 2016, the FASB issued ASU No. 2016-02 (Topic 842), *Leases* (ASU 2016-02), which supersedes the guidance in topic ASC 840, Leases. The new standard requires lessees to apply a dual approach, classifying leases as either finance or operating leases based on the principle of whether or not the lease is effectively a financed purchase by the lessee. This classification will determine whether lease expense is recognized based on an effective interest method or on a straight-line basis over the term of the lease. A lessee is also required to record a right-of-use asset (ROU) and a lease liability for all leases with a term of greater than 12 months regardless of their classification. Leases with a term of 12 months or less will be accounted for similar to existing guidance for operating leases today. Under the standard, disclosures are required to meet the objective of enabling users of financial statements to assess the amount, timing, and uncertainty of cash flows arising from leases. The Company will be required to recognize and measure leases existing at, or entered into after, the beginning of the earliest comparative period presented using a modified retrospective approach, with certain practical expedients available.

ASU 2016-02 is effective for the Company beginning February 1, 2019. The Company expects to elect the available practical expedients on adoption. The Company is assessing the impact of ASU 2016-02 on its internal controls over financial reporting.

Adoption of ASU 2016-02 will have a material impact on the Company's consolidated balance sheets, but will not have a material impact on the Company's consolidated income statements and taxes. The most significant impact will be the recognition of ROU assets and lease liabilities for operating leases. The Company expects adoption of the standard will result in the recognition of additional ROU assets and lease liabilities for operating leases in the range of approximately \$121 million to \$126 million, and \$158 million to \$163 million, respectively, as of January 31, 2019. Additionally, the adoption of this standard will have no impact to cash provided by or used in operating, financing, or investing activities on the Company's consolidated cash flows statements.

In August 2018, the FASB issued ASU 2018-15, Customer's Accounting for Implementation Costs Incurred in a Cloud Computing Arrangement That Is a Service Contract (ASU 2018-15), which requires a customer in a cloud computing arrangement that is a service contract to follow the internal-use software guidance in Accounting Standards Codification 350-40 to determine which implementation costs to defer and recognize as an asset. This guidance is effective for the Company on February 1, 2020 with early adoption permitted. The Company is currently evaluating the impact of the adoption of this standard on its consolidated financial statements.

3. Business Combinations

Stormpath

On February 17, 2017, the Company acquired the rights to hire certain employees and a non-exclusive intellectual property license from Stormpath, Inc. (Stormpath), a privately-held technology company which had built a user management and authentication service for software development teams. The transaction has been accounted for as a business combination. The total consideration of \$3.7 million, consisting of 200,000 shares of common stock valued at \$2.2 million, at the time of the transaction, issued to Stormpath and replacement awards valued at \$1.5 million issued to the hired employees, was recognized as goodwill.

In addition, the Company issued an incremental 800,000 shares of restricted common stock valued at \$8.6 million, at the time of the transaction, which is being recognized as post-combination stock-based compensation expense. See Note 12 for further details.

ScaleFT

On July 13, 2018, the Company acquired all issued and outstanding capital stock of ScaleFT, Inc. (ScaleFT), a "zero trust" security company which provides access solutions for the modern workforce. The acquisition date cash consideration transferred for ScaleFT was \$15.6 million, net of \$0.6 million in cash received. The Company recorded \$4.6 million for developed technology intangible assets with estimated useful life of three years and \$11.8 million of goodwill which is primarily attributed to the assembled workforce as well as the integration of ScaleFT's technology and the Company's technology. The Company incurred \$1.1 million of acquisition related costs, which were recorded in the quarter ended July 31, 2018.

4. Cash Equivalents and Short-term Investments

The amortized costs, unrealized gains and losses and estimated fair values of the Company's cash equivalents and short-term investments as of January 31, 2019 and 2018 were as follows (in thousands):

	As of January 31, 2019			
	Amortized Cost	Unrealized Gain	Unrealized Loss	Estimated Fair Value
Cash equivalents:				
Money market funds	\$ 247,426	\$ —	\$ —	\$ 247,426
Corporate debt securities	3,409	—	(1)	3,408
Total cash equivalents	250,835	—	(1)	250,834
Short-term investments:				
U.S. treasury securities	195,913	37	(53)	195,897
Corporate debt securities	69,483	13	(19)	69,477
Total short-term investments	265,396	50	(72)	265,374
Total	\$ 516,231	\$ 50	\$ (73)	\$ 516,208

	As of January 31, 2018			
	Amortized Cost	Unrealized Gain	Unrealized Loss	Estimated Fair Value
Cash equivalents:				
Money market funds	\$ 90,770	\$ —	\$ —	\$ 90,770
Total cash equivalents	90,770	—	—	90,770
Short-term investments:				
Commercial paper	15,946	—	—	15,946
U.S. treasury securities	61,896	—	(158)	61,738
Corporate debt securities	24,125	—	(44)	24,081
Total short-term investments	101,967	—	(202)	101,765
Total	\$ 192,737	\$ —	\$ (202)	\$ 192,535

All short-term investments were designated as available-for-sale securities as of January 31, 2019 and 2018.

The following tables present the contractual maturities of the Company's short-term investments as of January 31, 2019 and 2018 (in thousands):

	As of January 31, 2019		As of January 31, 2018	
	Amortized Cost	Estimated Fair Value	Amortized Cost	Estimated Fair Value
Due within one year	\$ 265,396	\$ 265,374	\$ 93,421	\$ 93,237
Due between one to five years	—	—	8,546	8,528
Total	\$ 265,396	\$ 265,374	\$ 101,967	\$ 101,765

The Company had 34 and 23 short-term investments in unrealized loss positions as of January 31, 2019 and 2018, respectively. There were no material gross unrealized gains or losses from available-for-sale securities and no material realized gains or losses from available-for-sale securities that were reclassified out of accumulated other comprehensive income for the years ended January 31, 2019, 2018 and 2017.

For available-for-sale debt securities that have unrealized losses, the Company evaluates whether (i) it has the intention to sell any of these investments and (ii) whether it is not more likely than not that it will be required to sell any of these available-for-sale debt securities before recovery of the entire amortized cost basis. Based on this evaluation, the Company determined that there were no other-than-temporary impairments associated with short-term investments as of January 31, 2019 and 2018.

5. Fair Value Measurements

The Company measures its financial assets at fair value each reporting period using a fair value hierarchy that prioritizes the use of observable inputs and minimizes the use of unobservable inputs when measuring fair value. A financial instrument's classification within the fair value hierarchy is based upon the lowest level of input that is significant to the fair value measurement.

Three levels of inputs may be used to measure as follows:

Level 1-Valuations based on observable inputs that reflect quoted prices for identical assets or liabilities in active markets.

Level 2-Valuations based on other inputs that are directly or indirectly observable in the marketplace.

Level 3-Valuations based on unobservable inputs that are supported by little or no market activity.

Assets and Liabilities Measured at Fair Value on a Recurring Basis

The following table presents information about the Company's financial assets that are measured at fair value on a recurring basis using the above input categories (in thousands):

	As of January 31, 2019			
	Level 1	Level 2	Level 3	Total
Assets:				
Cash equivalents:				
Money market funds	\$ 247,426	\$ —	\$ —	\$ 247,426
Corporate debt securities	—	3,408	—	3,408
Total cash equivalents	<u>247,426</u>	<u>3,408</u>	<u>—</u>	<u>250,834</u>
Short-term investments:				
U.S. treasury securities	—	195,897	—	195,897
Corporate debt securities	—	69,477	—	69,477
Total short-term investments	<u>—</u>	<u>265,374</u>	<u>—</u>	<u>265,374</u>
Total cash equivalents and short-term investments	<u>\$ 247,426</u>	<u>\$ 268,782</u>	<u>\$ —</u>	<u>\$ 516,208</u>
	As of January 31, 2018			
	Level 1	Level 2	Level 3	Total
Assets:				
Cash equivalents:				
Money market funds	\$ 90,770	\$ —	\$ —	\$ 90,770
Total cash equivalents	<u>90,770</u>	<u>—</u>	<u>—</u>	<u>90,770</u>
Short-term investments:				
Commercial paper	—	15,946	—	\$ 15,946
U.S. treasury securities	—	61,738	—	\$ 61,738
Corporate debt securities	—	24,081	—	24,081
Total short-term investments	<u>—</u>	<u>101,765</u>	<u>—</u>	<u>101,765</u>
Total cash equivalents and short-term investments	<u>\$ 90,770</u>	<u>\$ 101,765</u>	<u>\$ —</u>	<u>\$ 192,535</u>

The carrying amounts of certain financial instruments, including cash held in banks, accounts receivable and accounts payable approximate fair value due to their short-term maturities and are excluded from the fair value table above.

Fair Value Measurements of Other Financial Instruments

The following table presents the carrying amounts and estimated fair values of our financial instruments that are not recorded at fair value on the consolidated balance sheets (in thousands):

	<u>As of January 31, 2019</u>	
	Net Carrying Amount Before	
	<u>Unamortized Debt Issuance Costs</u>	<u>Estimated Fair Value</u>
Convertible senior notes	\$ 278,231	\$ 620,565

The difference between the principal amount of the 2023 Notes, \$345.0 million, and the net carrying amount before unamortized debt issuance costs represents the unamortized debt discount (See Note 9 for additional details).

The estimated fair value of the 2023 Notes, which the Company has classified as Level 2 financial instruments, was determined based on the quoted bid price of the convertible senior notes in an over-the-counter market on the last trading day of the reporting period. As of January 31, 2019, the difference between the net carrying amount of the 2023 Notes and estimated fair value represents the equity conversion value premium the market assigned to the 2023 Notes. Based on the closing price of our common stock of \$82.43 on January 31, 2019, the if-converted value of the 2023 Notes exceeded the principal amount of \$345.0 million.

6. Goodwill and Intangible Assets, net

Goodwill

As of January 31, 2019 and 2018, goodwill was \$18.1 million and \$6.3 million, respectively. No goodwill impairments were recorded during the years ended January 31, 2019, 2018 and 2017.

Goodwill balances as of January 31, 2019 and 2018 were as follows (in thousands):

Balance at January 31, 2018	\$ 6,282
Goodwill recorded in connection with ScaleFT acquisition	<u>11,807</u>
Balance at January 31, 2019	<u>\$ 18,089</u>

Intangible Assets, net

Intangible assets consisted of the following (in thousands):

	As of January 31, 2019			
	Gross	Accumulated Amortization	Write-offs	Net
Capitalized internal-use software costs	\$ 19,838	\$ (9,969)	\$ —	\$ 9,869
Purchased developed technology	4,600	(833)	—	3,767
Software licenses	1,023	(763)	—	260
	<u>\$ 25,461</u>	<u>\$ (11,565)</u>	<u>\$ —</u>	<u>\$ 13,896</u>

	As of January 31, 2018			
	Gross	Accumulated Amortization	Write-offs	Net
Capitalized internal-use software costs	\$ 17,511	\$ (5,172)	\$ (1,077)	\$ 11,262
Software licenses	1,094	(558)	(37)	499
	<u>\$ 18,605</u>	<u>\$ (5,730)</u>	<u>\$ (1,114)</u>	<u>\$ 11,761</u>

The Company capitalized \$3.4 million and \$6.7 million of internal-use software during the years ended January 31, 2019 and 2018, respectively, which included \$0.5 million and \$1.2 million of stock-based compensation costs, respectively. Amortization expense of capitalized internal-use software costs totaled \$4.8 million, \$2.7 million and \$1.6 million during the years ended January 31, 2019, 2018 and 2017, respectively. The Company wrote-off \$1.1 million of previously capitalized costs in the year ended January 31, 2018 as they were not realizable. The charge was recognized in research and development in the consolidated statements of operations.

Amortization expense of intangible assets for the years ended January 31, 2019, 2018 and 2017 was \$5.8 million, \$2.9 million, and \$1.8 million, respectively.

As of January 31, 2019, estimated remaining amortization expense for the intangible assets by fiscal year is as follows (in thousands):

2020	6,302
2021	4,789
2022	1,459
2023	1,346
Total	<u>\$ 13,896</u>

7. Balance Sheet Components

Property and Equipment, net

Property and equipment consisted of the following (in thousands):

	As of January 31,	
	2019	2018
Computers and equipment	\$ 3,668	\$ 5,384
Furniture and fixtures	11,012	7,083
Leasehold improvements	47,883	8,188
Property and equipment, gross	62,563	20,655
Less accumulated depreciation	(9,642)	(8,115)
Property and equipment, net	<u>\$ 52,921</u>	<u>\$ 12,540</u>

Depreciation expense was \$5.7 million, \$4.0 million and \$2.4 million for the years ended January 31, 2019, 2018 and 2017, respectively.

Allowances

The Company's allowances for the years ended January 31, 2019, 2018 and 2017 are as follows (in thousands):

	As of January 31,		
	2019	2018	2017
Balance, beginning of period	\$ 1,472	\$ 1,306	\$ 861
Additions	888	431	1,185
Write-offs	(262)	(265)	(740)
Balance, end of period	<u>\$ 2,098</u>	<u>\$ 1,472</u>	<u>\$ 1,306</u>

Accrued Expenses and Other Current Liabilities

Accrued expenses and other current liabilities consisted of the following (in thousands):

	As of January 31,	
	2019	2018
Deposit related to early exercise of unvested options	\$ 370	\$ 1,119
Accrued expenses	6,392	3,389
Accrued taxes payable	1,195	835
Deferred rent, current	2,002	520
Other	—	324
Accrued expenses and other current liabilities	<u>\$ 9,959</u>	<u>\$ 6,187</u>

Other Liabilities, noncurrent

Other liabilities, noncurrent consisted of the following (in thousands):

	As of January 31,	
	2019	2018
Deferred rent, noncurrent	\$ 35,980	\$ 5,010
Deferred tax liabilities	727	175
Other	2,292	1,832
Other liabilities, noncurrent	<u>\$ 38,999</u>	<u>\$ 7,017</u>

8. Deferred Revenue and Performance Obligations

Deferred Revenue

Deferred revenue, which is a contract liability, consists primarily of payments received in advance of revenue recognition under the Company's contracts with customers and is recognized as the revenue recognition criteria are met.

Subscription revenue recognized during the years ended January 31, 2019 and 2018 that was included in the deferred revenue balances at the beginning of the respective periods was \$157.9 million and \$104.6 million, respectively. Professional services and other revenue recognized in the years ended January 31, 2019 and 2018 from deferred revenue balances at the beginning of the respective periods was not material.

Transaction Price Allocated to the Remaining Performance Obligations

Transaction price allocated to the remaining performance obligations represents contracted revenue that has not yet been recognized, which includes deferred revenue for subscription contracts that have been invoiced and will be recognized as revenue in future periods.

As of January 31, 2019, total remaining noncancelable performance obligations under the Company's subscription contracts with customers was approximately \$728.9 million, and the Company expects to recognize revenue on approximately 53% of these remaining performance obligations over the next 12 months, with the balance to be recognized thereafter. Revenue from remaining performance obligations for professional services and other contracts as of January 31, 2019 was not material.

Unbilled Receivables

The Company receives payments from customers based on billing schedules as established in its contracts. Unbilled receivables and contract assets represent amounts for which the Company has recognized revenue in excess of billings pursuant to its revenue recognition policy. As of January 31, 2019 and January 31, 2018, contract assets and unbilled receivables were \$1.5 million and \$0.8 million, respectively, which are included in prepaid expenses and other current assets in the consolidated balance sheets.

9. Debt and Financing Arrangements

Convertible Senior Notes

The 2023 Notes are senior, unsecured obligations of the Company, and bear interest at a fixed rate of 0.25% per year. Interest is payable in cash semi-annually in arrears on February 15 and August 15 of each year, beginning on August 15, 2018. The 2023 Notes mature on February 15, 2023 unless earlier repurchased or converted. The Company may not redeem the 2023 Notes prior to maturity. The total net proceeds from the 2023 Notes, after deducting initial purchasers' discounts and debt issuance costs, was approximately \$335.0 million.

The terms of the 2023 Notes are governed by an Indenture by and between the Company and Wilmington Trust, National Association, as Trustee (the Indenture). Upon conversion, the 2023 Notes may be settled in cash, shares of Class A common stock or a combination of cash and shares of Class A common stock, at the Company's election. It is the Company's current intent to settle the principal amount of the 2023 Notes with cash.

The 2023 Notes are convertible at an initial conversion rate of 20.6795 shares of Class A common stock per \$1,000 principal amount of 2023 Notes, which is equal to an initial conversion price of approximately \$48.36 per share of Class A common stock, subject to adjustment under certain circumstances in accordance with the terms of the Indenture. Prior to the close of business on the business day immediately preceding October 15, 2022, holders of the 2023 Notes may convert all or a portion of their 2023 Notes only in multiples of \$1,000 principal amount, under the following circumstances:

- during any fiscal quarter commencing after the fiscal quarter ending on April 30, 2018 (and only during such fiscal quarter), if the last reported sale price of Class A common stock for at least 20 trading days (whether or not consecutive) during the period of 30 consecutive trading days ending on, and including, the last trading day of the immediately preceding fiscal quarter is greater than or equal to 130% of the conversion price of the 2023 Notes on each applicable trading day;
- during the five business day period after any five consecutive trading day period in which the trading price per \$1,000 principal amount of the 2023 Notes for each trading day of that five consecutive trading day period was less than 98% of the product of the last reported sale price of Class A common stock and the conversion rate on such trading day; or
- upon the occurrence of specified corporate events, as described in the Indenture.

On or after October 15, 2022 until the close of business on the second scheduled trading day immediately preceding the maturity date, holders may convert all or any portion of their 2023 Notes regardless of the foregoing circumstances.

For at least twenty trading days during the period of thirty consecutive trading days ended January 31, 2019, the last reported sale price of the Company's common stock was equal to or exceeded 130% of the conversion price of the 2023 Notes on each applicable trading day. As a result, the 2023 Notes are convertible at the option of the holders during the fiscal quarter ending April 30, 2019 and were classified as current liabilities on the consolidated balance sheet as of January 31, 2019. As of the date of this filing, none of the holders of the 2023 Notes have submitted requests for conversion.

Holders of the 2023 Notes who convert their 2023 Notes in connection with certain corporate events that constitute a make-whole fundamental change (as defined in the Indenture) are, under certain circumstances, entitled to an increase in the conversion rate. Additionally, in the event of a corporate event that constitutes a fundamental change (as defined in the Indenture), holders of the 2023 Notes may require the Company to repurchase all or a portion of their 2023 Notes at a price equal to 100% of the principal amount of the 2023 Notes being repurchased, plus any accrued and unpaid interest.

In accounting for the issuance of the 2023 Notes, the Company separated the 2023 Notes into liability and equity components. The carrying amount of the liability component was calculated by measuring the fair value of similar liabilities that do not have associated convertible features. The carrying amount of the equity component representing the conversion option was determined by deducting the fair value of the liability component from the par value of the 2023 Notes. The Company bifurcated the conversion option of the 2023 Notes from the debt instrument, classified the conversion option in equity and will accrete the resulting debt discount as interest expense over the contractual term of the 2023 Notes using the effective interest rate method. The equity component is not remeasured as long as the Notes continue to meet the conditions for equity classification.

The effective interest rate of the liability component of the 2023 Notes is 5.68%. This interest rate was based on the interest rates of similar liabilities held by other companies with similar credit risk ratings at the time of issuance that did not have associated convertible features. The following table sets forth total interest expense recognized related to the 2023 Notes (in thousands):

	Year Ended January 31, 2019
Contractual interest expense	\$ 793
Amortization of debt issuance costs	1,085
Amortization of debt discount	13,194
Total	<u>\$ 15,072</u>

Total issuance costs of \$10.0 million related to the 2023 Notes were allocated between liability and equity in the same proportion as the allocation of the total proceeds to the liability and equity components. Issuance costs attributable to the liability component are being amortized to interest expense over the respective term of the 2023 Notes using the effective interest rate method. The issuance costs attributable to the equity component were netted against the respective equity component in Additional paid-in capital. The Company recorded liability issuance costs of \$7.7 million and equity issuance costs of \$2.3 million.

The 2023 Notes, net consisted of the following (in thousands):

	As of January 31, 2019
Liability component:	
Principal	\$ 345,000
Less: unamortized debt issuance costs and debt discount	(73,372)
Net carrying amount	<u>\$ 271,628</u>
Equity component:	
2023 Notes	\$ 79,962
Less: issuance costs	(2,320)
Carrying amount of the equity component ⁽¹⁾	<u>\$ 77,642</u>

⁽¹⁾ Included in the consolidated balance sheets within Additional paid-in capital.

Note Hedges

In connection with the pricing of the 2023 Notes, the Company entered into convertible note hedge transactions with respect to its Class A common stock (the Note Hedges). The Note Hedges are purchased call options that give the Company the option to purchase, subject to anti-dilution adjustments substantially identical to those in the 2023 Notes, approximately 7.1 million shares of its Class A common stock for \$48.36 per share (subject to adjustment), corresponding to the approximate initial conversion price of the 2023 Notes, exercisable upon conversion of the 2023 Notes. The Note Hedges will expire in 2023, if not exercised earlier. The Note Hedges are intended to offset potential dilution to the Company's Class A common stock and/or offset the potential cash payments that the Company could be required to make in excess of the principal amount upon any conversion of the 2023 Notes under certain circumstances. The Note Hedges are separate transactions and are not part of the terms of the 2023 Notes.

The Company paid an aggregate amount of \$80.0 million for the Note Hedges. The amount paid for the Note Hedges was recorded as a reduction to Additional paid-in capital in the consolidated balance sheets.

See Note 13 for the tax impacts of the 2023 Notes and Note Hedges.

Warrants

In connection with the issuance of the 2023 Notes, the Company also entered into separate warrant transactions pursuant to which it sold net-share-settled (or, at the Company's election subject to certain conditions, cash-settled) warrants (the Warrants) to acquire, subject to anti-dilution adjustments, up to approximately 7.1 million shares over 80 scheduled trading days beginning in May 2023 of the Company's Class A common stock at an initial exercise price of \$68.06 per share (subject to adjustment). If the Warrants are not exercised on their exercise dates, they will expire. If the market value per share of the Company's Class A common stock exceeds the applicable exercise price of the Warrants, the Warrants could have a dilutive effect on the Company's Class A common stock unless, subject to the terms of the Warrants, the Company elects to cash settle the Warrants. The Warrants are separate transactions and are not part of the terms of the 2023 Notes or the Note Hedges.

The Company received aggregate proceeds of \$52.4 million from the sale of the Warrants in connection with the 2023 Notes. The proceeds from the sale of the Warrants was recorded as an increase to Additional paid-in capital in the consolidated balance sheets.

Loan and Security Agreement

The Company had a line of credit (Revolving Line) with Silicon Valley Bank (SVB) in the amount of \$40.0 million, which expired by its terms in November 2018. The available amount, not to exceed \$40.0 million, was based on certain revenue metrics and was reduced by letters of credit totaling \$4.2 million established in connection with facility lease agreements. In November 2018, these letters of credit were secured by restricted cash and included in other assets on the consolidated balance sheet as of January 31, 2019.

10. Commitments and Contingencies

Leases

The Company leases office space under noncancelable operating leases for its San Francisco, California headquarters, as well as its offices in various cities in the United States, United Kingdom, Australia and Canada. These office leases expire on various dates through October 2028.

In December 2017, the Company entered into a new corporate headquarters lease in San Francisco. This lease has a 10 year term, which expires in October 2028. The Company is entitled to two five-year options to extend this lease, subject to certain requirements. The total commitment is \$206.3 million with a tenant improvement allowance of up to \$24.7 million. The Company secured the lease obligation with an \$8.0 million letter of credit, which is designated as restricted cash and included in other assets on its consolidated balance sheet as of January 31, 2019.

In conjunction with the execution of the leases, letters of credit in the aggregate amount of \$12.7 million and \$12.2 million were issued and outstanding as of January 31, 2019 and 2018, respectively. No draws have been made under such letters of credit.

In June 2018, the Company signed an agreement to sublease the premises at 634 2nd Street, San Francisco, California (2nd Street Sublease), which, together with the premises at 301 Brannan Street, San Francisco, California, comprise the Company's former headquarters. The term of the 2nd Street Sublease agreement commenced on January 31, 2019. The 2nd Street Sublease and the master lease both expire in September 2024. The Company's future income under the terms of the 2nd Street Sublease agreement will be approximately equal to the amount required to be paid by the Company to its landlord under the terms of the master lease. The Company and the sub-lessee executed a standby letter of credit amounting to \$3.0 million to be held by the Company to secure the 2nd Street Sublease in the event of uncured default by the sub-lessee.

Pursuant to a termination agreement pertaining to the Company's lease of the premises at 301 Brannan Street, San Francisco, California, the non-cancellable lease term for those premises expired in January 2019.

As of January 31, 2019, the future minimum lease payments by fiscal year under various operating leases and purchase obligations, such as data center operations and sales and marketing activities, are as follows (in thousands):

	<u>Operating Leases</u>	<u>Purchase Obligations</u>	<u>Total</u>
2020	\$ 16,672	\$ 19,668	\$ 36,340
2021	26,606	15,101	41,707
2022	28,138	15,101	43,239
2023	27,777	10,000	37,777
2024	28,384	—	28,384
Thereafter	117,101	—	117,101
Total contractual obligations	<u>\$ 244,678</u>	<u>\$ 59,870</u>	<u>\$ 304,548</u>

Deferred rent was \$38.0 million and \$5.5 million as of January 31, 2019 and 2018, respectively, and is included in accrued expenses and other current liabilities and other liabilities, noncurrent in the consolidated balance sheets. Rent expense was \$23.3 million, \$10.6 million and \$7.4 million for the years ended January 31, 2019, 2018 and 2017, respectively.

Legal Matters

From time to time in the normal course of business, the Company may be subject to various legal matters such as threatened or pending claims or proceedings. There were no material such matters as of January 31, 2019 and 2018.

Warranties and Indemnification

The Company's subscription services are generally warranted to perform materially in accordance with the Company's online help documentation under normal use and circumstances. Additionally, the Company's arrangements generally include provisions for indemnifying customers against liabilities if its subscription services infringe a third party's intellectual property rights. Furthermore, the Company may also incur liabilities if it breaches the security or confidentiality obligations in its arrangements. To date, the Company has not incurred significant costs and has not accrued a liability in the accompanying consolidated financial statements as a result of these obligations.

The Company has entered into service-level agreements with a majority of its customers defining levels of uptime reliability and performance and permitting those customers to receive credits for prepaid amounts related to unused subscription services if the Company fails to meet the defined levels of uptime. In very limited instances, the Company allows customers to early terminate their agreements in the event that the Company fails to meet those levels as they may constitute a breach of contract. If the customer did terminate, they would receive a refund of prepaid unused subscription fees. To date, the Company has not experienced any significant failures to meet defined levels of uptime reliability and performance as a result of those agreements and, as a result, the Company has not accrued any liabilities related to these agreements in the consolidated financial statements.

11. Common Stock and Stockholders' Equity

Redeemable Convertible Preferred Stock

Immediately prior to the completion of the IPO in April 2017, all shares of redeemable convertible preferred stock then outstanding were converted into 59,491,640 shares of common stock on a one-to-one basis and then immediately reclassified into Class B common stock and additional paid-in capital. As of January 31, 2019, there were no shares of redeemable convertible preferred stock issued and outstanding.

Common Stock

Immediately prior to the completion of the IPO, all shares of common stock then outstanding were reclassified into Class B common stock. Shares offered and sold in the IPO consisted of the newly authorized shares of Class A common stock.

As of January 31, 2019, and 2018 the Company had authorized 1,000,000,000 shares of Class A common stock and had authorized 120,000,000 shares of Class B common stock, each with par value \$0.0001 per share. As of January 31, 2019, 101,093,322 shares of Class A common stock and 11,059,181 shares of Class B common stock were issued and outstanding. Holders of Class A and Class B common stock are entitled to one vote per share and 10 votes per share, respectively, and the shares of Class A common stock and Class B common stock are identical, except for voting and conversion rights. Shares of Class B common stock may be converted into Class A common stock at any time at the option of the stockholder on a one-for-one basis, and are automatically converted into Class A common stock upon sale or transfer, subject to certain limited exceptions. Shares of Class A common stock are not convertible.

As of January 31, 2019, shares of common stock reserved for future issuance are as follows:

Options and unvested RSUs outstanding	22,639,330
Available for future stock option and RSU grants	12,635,830
Available for ESPP	2,855,127
	<u>38,130,287</u>

Awards Issued as Charitable Contributions

During the year ended January 31, 2019 and 2018, the Company issued 20,000 and 24,287 shares, respectively, of Class A common stock as charitable contributions and recognized \$1.0 million and \$0.7 million, respectively, as general and administrative expense in the consolidated statement of operations. During the year ended January 31, 2017, the Company issued 13,935 shares of Class B common stock as charitable contributions and recognized \$0.1 million as general and administrative expense in the consolidated statement of operations.

12. Employee Incentive Plans

The Company's equity incentive plans provide for granting stock options, RSUs and restricted stock awards to employees, consultants, officers and directors. In addition, the Company offers an ESPP to eligible employees.

Stock-based compensation expense by award type was as follows (in thousands):

	Year Ended January 31,		
	2019	2018	2017
Stock options	\$ 23,466	\$ 24,186	\$ 17,127
RSUs	41,637	9,104	—
ESPP	7,248	7,111	—
Restricted stock awards	1,608	3,281	—
Restricted common stock	2,361	6,178	—
Total	<u>\$ 76,320</u>	<u>\$ 49,860</u>	<u>\$ 17,127</u>

Stock-based compensation expense was recorded in the following cost and expense categories in the Company's consolidated statements of operations (in thousands):

	Year Ended January 31,		
	2019	2018	2017
Cost of revenue:			
Subscription	\$ 7,837	\$ 4,600	\$ 1,979
Professional services and other	4,983	3,137	1,283
Research and development	22,642	18,107	2,992
Sales and marketing	22,916	13,242	6,029
General and administrative	17,942	10,774	4,844
Total	<u>\$ 76,320</u>	<u>\$ 49,860</u>	<u>\$ 17,127</u>

Stock-based compensation expense recorded to research and development in the consolidated statements of operations exclude amounts that were capitalized related to internal-use software for the years ended January 31, 2019, 2018 and 2017. Refer to Note 6 for additional details.

Equity Incentive Plans

The Company has two equity incentive plans: the 2009 Stock Plan (2009 Plan) and the 2017 Equity Incentive Plan (2017 Plan). Upon the completion of the Company's IPO in April 2017, the Company ceased granting equity under the 2009 Plan, and all shares that remained available for future issuance under the 2009 Plan at that time were transferred to the 2017 Plan. As of January 31, 2019, options to purchase 16,943,457 shares of Class B common stock and 860,337 shares of Class A common stock remain outstanding. As of January 31, 2019, the total number of shares reserved for future Class A stock grants under the 2017 Plan was 12,635,830 shares, including shares transferred from the 2009 Plan.

Stock Options

Options issued to new employees under the Plan generally are exercisable for periods not to exceed ten years and generally vest over four years with 25% vesting after one year and with the remainder vesting monthly thereafter in equal installments. Shares offered under the Plan may be: (i) authorized but unissued shares or (ii) treasury shares.

A summary of the Company's stock option activity and related information is as follows:

	Number of Options	Weighted- Average Exercise Price	Weighted- Average Remaining Contractual Term (Years)	Aggregate Intrinsic Value (in thousands)
Outstanding as of January 31, 2018	24,917,045	\$ 7.37	7.6	\$ 550,173
Granted	684,500	39.21		
Exercised	(6,576,700)	5.61		
Canceled	(1,221,051)	8.55		
Outstanding as of January 31, 2019	<u>17,803,794</u>	\$ 9.16	7.1	\$ 1,304,446
As of January 31, 2019:				
Vested and expected to vest	17,803,794	\$ 9.16	7.1	\$ 1,304,446
Vested and exercisable	9,681,494	\$ 6.82	6.6	\$ 731,998

The weighted-average grant-date fair value of options granted was \$17.21, \$5.40 and \$4.00 during the years ended January 31, 2019, 2018 and 2017, respectively. The total grant-date fair value of stock options vested

was \$23.8 million, \$23.9 million and \$13.1 million during the years ended January 31, 2019, 2018 and 2017, respectively. The intrinsic value of the options exercised, which represents the difference between the fair market value of the Company's common stock on the date of exercise and the exercise price of each option, was \$309.3 million, \$204.8 million and \$6.9 million for the years ended January 31, 2019, 2018 and 2017, respectively.

As of January 31, 2019, there was a total of \$37.3 million of unrecognized stock-based compensation expense, which is expected to be recognized over a weighted-average period of 1.9 years.

The Company used the Black-Scholes option pricing model to estimate the fair value of stock options granted with the following assumptions:

	Year Ended January 31,		
	2019	2018	2017
Expected volatility	40%	40% - 41%	40% -44%
Expected term (in years)	6.3	6.3 - 6.4	5.5 -6.9
Risk-free interest rate	2.70%	1.87% - 2.21%	1.13% - 2.28%
Expected dividend yield	—	—	—

Restricted Stock Units

A summary of the Company's RSU activities and related information is as follows:

	Number of RSUs	Weighted- Average Grant Date Fair Value Per Share
Outstanding as of January 31, 2018	2,862,929	\$ 24.38
Granted	3,392,285	54.34
Vested	(976,248)	23.92
Forfeited	(443,430)	35.22
Outstanding as of January 31, 2019	<u>4,835,536</u>	\$ 44.49

The Company granted 3,392,285 RSUs with an aggregate fair value of \$184.3 million for the year ended January 31, 2019. As of January 31, 2019, there was \$187.2 million of unrecognized stock-based compensation expense related to unvested RSUs, which is expected to be recognized over a weighted-average period of 3.1 years based on vesting under the award service conditions.

Equity Awards Issued in Connection with Business Combinations

In connection with the Stormpath transaction in February 2017, the Company issued 800,000 shares of restricted common stock to Stormpath with an aggregate fair value of \$8.6 million to be recognized as post combination stock-based compensation. The restricted common stock vests ratably on the first and second anniversaries of the transaction date upon achievement of the respective performance conditions, and 400,000 of these shares vested during the year ended January 31, 2019. The stock-based compensation expense related to the restricted common stock has a requisite service period of two years and will be recognized using an accelerated attribution method due to the existence of performance conditions.

As of January 31, 2019, there was \$0.1 million of unrecognized compensation expense related to this restricted common stock which is expected to be recognized over the remaining weighted average life of 0.1 years. These shares of restricted common stock were separately authorized by the Company's board of directors, and did not reduce the number of shares available for future issuance under the 2009 Plan or the 2017 Plan.

The Company separately entered into retention arrangements with certain employees of Stormpath and issued 598,500 restricted stock awards under the 2009 Plan with an aggregate fair value of \$6.6 million with performance conditions, including continued employment of certain employees with the Company and the wind down of the Stormpath, Inc. entity. The restricted stock awards vest ratably over two or three years from the transaction date, and 210,850 of these shares vested during the year ended January 31, 2019. Additionally, the Company granted 518,900 service-based stock options under the 2009 Plan to certain Stormpath employees with an aggregate fair value of \$2.5 million to vest ratably over the requisite four-year service period.

The restricted stock awards and stock options offered directly to Stormpath employees for employment with the Company are deemed replacement awards and a portion of such awards are considered compensation for pre-combination service. Of the \$9.1 million total aggregate fair value of the awards, \$1.5 million is related to pre-combination service and is recognized as goodwill and a reduction to the post-combination compensation expense. The post-combination expenses for the restricted stock awards and stock options are \$5.5 million and \$2.1 million, respectively. The expense related to the restricted stock awards is being recognized over two or three years based on an accelerated attribution method. The expense for the stock options is being recognized ratably over the requisite service period.

As of January 31, 2019, there was \$0.6 million of unrecognized compensation expense related to unvested restricted stock awards, which is expected to be recognized over the remaining weighted average life of 0.5 years.

As of January 31, 2019, there was \$1.1 million of unrecognized compensation cost related to unvested stock options, which is expected to be recognized over the remaining weighted average life of 1.4 years. The related stock options expense and activity are included within the Stock Options section above.

Employee Stock Purchase Plan

In February 2017, the Company's board of directors adopted, and in March 2017, the Company's stockholders approved the 2017 Employee Stock Purchase Plan, or the ESPP, which became effective prior to the completion of the IPO. The ESPP initially reserves and authorizes the issuance of up to a total of 3,000,000 shares of Class A common stock to participating employees. Except for the initial offering period, the ESPP provides for 12-month offering periods beginning June 21 and December 21 of each year, and each offering period will consist of two six-month purchase periods. The initial offering period began April 7, 2017 and ended on June 20, 2018.

The Company estimated the fair value of ESPP purchase rights using a Black-Scholes option pricing model with the following assumptions:

	Year Ended January 31,	
	2019	2018
Expected volatility	39% - 70%	32% - 38%
Expected term (in years)	0.5 - 1.0	0.5 - 1.2
Risk-free interest rate	2.12% - 2.62%	0.95% - 1.73%
Expected dividend yield	—	—

During the year ended January 31, 2019, the Company sold 615,210 shares of its common stock under the ESPP. The shares were purchased at a weighted-average purchase price of \$22.31 with proceeds of \$13.7 million. During the year ended January 31, 2018, the Company sold 569,373 shares of its common stock under the ESPP. The shares were purchased at a weighted-average purchase price of \$14.70 with proceeds of \$8.4 million.

As of January 31, 2019, there was \$4.2 million of unrecognized stock-based compensation expense related to the ESPP that is expected to be recognized over an average vesting period of 0.5 years.

13. Income Taxes

The domestic and foreign components of pre-tax loss for the years ended January 31, 2019, 2018 and 2017 are as follows (in thousands):

	Year Ended January 31,		
	2019	2018 As Adjusted ⁽¹⁾	2017 As Adjusted ⁽¹⁾
Domestic	\$ (128,214)	\$ (112,858)	\$ (76,485)
Foreign	2,700	2,688	1,854
Loss before provision for (benefit from) income taxes	<u>\$ (125,514)</u>	<u>\$ (110,170)</u>	<u>\$ (74,631)</u>

⁽¹⁾ Adjusted to reflect the adoption of ASC 606. See Note 2.

The components of the provision for (benefit from) income taxes for the years ended January 31, 2019, 2018 and 2017 are as follows (in thousands):

	Year Ended January 31,		
	2019	2018 As Adjusted ⁽¹⁾	2017 As Adjusted ⁽¹⁾
Current:			
Federal	\$ —	\$ —	\$ —
State	61	—	18
Foreign	667	183	426
Total current provision for income taxes	<u>728</u>	<u>183</u>	<u>444</u>
Deferred:			
Federal	(620)	(32)	60
State	(130)	10	6
Foreign	5	(482)	(85)
Total deferred provision for (benefit from) income taxes	<u>(745)</u>	<u>(504)</u>	<u>(19)</u>
Total provision for (benefit from) income taxes	<u>\$ (17)</u>	<u>\$ (321)</u>	<u>\$ 425</u>

⁽¹⁾ Adjusted to reflect the adoption of ASC 606. See Note 2.

For the year ended January 31, 2019, the income tax benefit resulted from the release of valuation allowance in the United States in connection with the ScaleFT acquisition and excess tax benefits from stock-based compensation in the United Kingdom. The income tax benefit was partially offset by foreign income taxes, state taxes and tax amortization of goodwill. For the year ended January 31, 2018, the income tax benefit resulted from \$1.3 million of excess tax deductions related to option exercises by foreign employees, a portion of which we used to claim a refund for taxes paid in prior years. For the year ended January 31, 2017, the income tax provision was related to foreign taxes and tax amortization of goodwill.

The following is a reconciliation of the statutory federal income tax rate to the Company's effective tax rate for the years ended January 31, 2019, 2018 and 2017:

	Year Ended January 31,		
	2019	2018	2017
		As Adjusted ⁽¹⁾	As Adjusted ⁽¹⁾
Tax at federal statutory rate	21.0%	33.8%	34.0%
State income taxes, net of federal benefit	3.8	3.4	3.6
Change in valuation allowance	(68.5)	(27.1)	(32.1)
Stock-based compensation	45.5	42.4	(5.0)
Tax Cuts and Jobs Act of 2017	—	(51.3)	—
Other, net	(1.8)	(0.9)	(1.1)
Effective tax rate	<u>—%</u>	<u>0.3%</u>	<u>(0.6)%</u>

⁽¹⁾ Adjusted to reflect the adoption of ASC 606. See Note 2.

The tax effects of temporary differences and related deferred tax assets and liabilities as of January 31, 2019 and 2018 are as follows (in thousands):

	As of January 31,	
	2019	2018
		As Adjusted ⁽¹⁾
Deferred tax assets:		
Net operating loss carryforwards	\$ 202,471	\$ 123,013
Stock-based compensation	13,185	7,926
Deferred revenue	1,312	213
Other reserves and accruals	13,113	3,084
Credits	791	791
Disallowed interest	1,769	—
Total deferred tax assets	<u>232,641</u>	<u>135,027</u>
Valuation allowance	(203,899)	(116,948)
Total deferred tax assets, net	<u>28,742</u>	<u>18,079</u>
Deferred tax liabilities:		
Deferred commissions	(19,424)	(14,597)
Capitalized internal-use software costs	(2,047)	(2,389)
Goodwill	(217)	(175)
Depreciation and amortization	(6,492)	(441)
Total deferred tax liabilities	<u>(28,180)</u>	<u>(17,602)</u>
Net deferred tax assets (liabilities)	<u>\$ 562</u>	<u>\$ 477</u>

⁽¹⁾ Adjusted to reflect the adoption of ASC 606. See Note 2.

As a result of continuing losses, the Company has determined that it is not more likely than not that it will realize the benefits of the U.S. deferred tax assets and, therefore, the Company has recorded a valuation allowance to reduce the carrying value of the U.S. deferred tax assets, net of U.S. deferred tax liabilities, to approximately zero. The U.S. valuation allowance increased by \$86.6 million and \$18.6 million during the years ended January 31, 2019 and 2018, respectively.

As of January 31, 2019, the Company had approximately \$798.8 million of federal and \$489.1 million of state net operating loss carryforwards available to offset future taxable income. If not utilized, the federal and

state net operating loss carryforwards will begin to expire in 2029 and 2021, respectively. As of January 31, 2019, the Company had approximately \$12.8 million of UK net operating losses which do not expire.

As of January 31, 2019, the Company had federal research and development tax credit carryforwards of \$14.1 million and California research and development tax credit carryforwards of \$9.8 million. The federal research and development credits will start to expire in 2030 while the California research and development credits do not expire. The Company has California Enterprise Zone credits of \$1.0 million that begin to expire in 2023.

The Company's ability to utilize the net operating loss and tax credit carryforwards in the future may be subject to substantial restrictions in the event of past or future ownership changes as defined in Section 382 of the Internal Revenue Code and similar state tax laws.

The Company attributes net revenue, costs and expenses to domestic and foreign components based on the terms of its agreements with its subsidiaries. The Company does not provide for federal income taxes on the undistributed earnings of its foreign subsidiaries as such earnings are to be reinvested offshore indefinitely. If the Company repatriated these earnings, the resulting income tax liability would be insignificant. The Company is subject to taxation in the United States and various states and foreign jurisdictions.

On December 22, 2017, the Tax Cuts and Jobs Act of 2017 ("Tax Act") was signed into law making significant changes to the Internal Revenue Code. Changes include, but are not limited to, a corporate tax rate decrease to 21% effective for tax years beginning after December 31, 2017. This change in tax rate resulted in a reduction in the Company's net U.S. deferred tax assets before valuation allowance by \$56.5 million, which was fully offset by a reduction in the Company's valuation allowance. The Tax Act provided for a one-time deemed mandatory repatriation of post-1986 undistributed foreign subsidiary earnings and profits, or E&P. The Company's final calculations show that it had negative undistributed foreign E&P and was not subject to the mandatory repatriation for the year ended January 31, 2018.

In December 2017, the SEC staff issued Staff Accounting Bulletin No. 118, Income Tax Accounting Implications of the Tax Cuts and Jobs Act (SAB 118), which allowed the Company to record provisional amounts during a measurement period not to extend beyond one year of the enactment date. As of January 31, 2019, the Company has finalized all provisional amounts related to the Tax Act. Finalizing provisional adjustments related to the Tax Act did not have a material impact on the Company's consolidated financial statements as of January 31, 2019. The Company expects further guidance may be forthcoming, which could result in additional impacts.

A reconciliation of beginning and ending amount of unrecognized tax benefit is as follows (in thousands):

	Year Ended January 31,		
	2019	2018	2017
Gross amount of unrecognized tax benefits as of the beginning of the year	\$ 11,719	\$ 5,775	\$ 3,512
Additions based on tax positions related to a prior year	1,859	—	—
Additions based on tax positions related to current year	10,353	5,944	2,263
Gross amount of unrecognized tax benefits as of the end of the year	<u>\$ 23,931</u>	<u>\$ 11,719</u>	<u>\$ 5,775</u>

The material jurisdictions in which the Company is subject to potential examination include the United States, California, Australia, Canada and the United Kingdom. Due to the Company's net operating loss carryforwards, all tax years since inception remain subject to examination by federal and California taxing authorities. For the United Kingdom, the Company recently closed an examination for fiscal 2016 with no adjustment, and is no longer subject to examinations for fiscal 2016 and prior.

As of January 31, 2019, 2018 and 2017, the Company had unrecognized tax benefits which would not impact the effective tax rate because of the valuation allowance. The Company's policy is to include interest and penalties related to unrecognized tax benefits within the provision for income taxes. The Company does not have any uncertain tax positions as of January 31, 2019 for which it is reasonably possible that the positions will increase or decrease within the next twelve months. As of January 31, 2019 and 2018, the Company has not accrued any interest or penalties related to unrecognized tax benefits.

14. Net Loss Per Share

The Company computes net loss per share of common stock in conformity with the two-class method required for participating securities. The Company considers all series of Preferred Stock to be participating securities as the holders of the Preferred Stock are entitled to receive a non-cumulative dividend on a pari passu basis in the event that a dividend is paid on the common stock. The holders of the Preferred Stock do not have a contractual obligation to share in the Company's losses. As such, the Company's net losses for the years ended January 31, 2019, 2018 and 2017, were not allocated to these participating securities. Upon the closing of the IPO in April 2017, all shares of the Company's then-outstanding redeemable convertible preferred stock automatically converted into the Company's common stock.

The following table presents the calculation of basic and diluted net loss per share for periods presented (dollars in thousands, except per share data):

	Year Ended January 31,					
	2019		2018		2017	
	Class A	Class B	Class A	Class B	Class A	Class B
Numerator:						
Net loss	<u>\$ (107,926)</u>	<u>\$ (17,571)</u>	<u>\$ (31,980)</u>	<u>\$ (77,869)</u>	<u>\$ —</u>	<u>\$ (75,056)</u>
Denominator:						
Weighted-average shares outstanding, basic and diluted	<u>92,452</u>	<u>15,052</u>	<u>24,165</u>	<u>58,839</u>	<u>—</u>	<u>19,038</u>
Net loss per share attributable to common stockholders, basic and diluted	<u>\$ (1.17)</u>	<u>\$ (1.17)</u>	<u>\$ (1.32)</u>	<u>\$ (1.32)</u>	<u>\$ —</u>	<u>\$ (3.94)</u>

The Company was in a loss position for all periods presented; accordingly, basic net loss per share is the same as diluted net loss per share as the inclusion of all potential common shares outstanding would have been anti-dilutive. Potentially dilutive securities that were not included in the diluted per share calculations because they would be anti-dilutive were as follows (in thousands):

	Year Ended January 31,		
	2019	2018	2017
Unvested restricted common stock issued and outstanding	400	800	—
Unvested RSUs issued and outstanding	4,836	2,863	—
Unvested restricted stock awards issued and outstanding	388	599	—
Shares committed under the ESPP	271	1,149	—
Unvested shares subject to repurchase	48	188	—
Conversion of convertible preferred stock	—	—	59,465
Shares related to convertible senior notes	7,134	—	—
Issued and outstanding stock options	17,804	24,917	32,866
Conversion of common stock warrant	—	—	188
Conversion of convertible Series B warrant	—	—	29
	<u>30,881</u>	<u>30,516</u>	<u>92,548</u>

The Company expects to settle the principal amount of the 2023 Notes in cash, and therefore, the Company uses the treasury stock method for calculating any potential dilutive effect of the conversion option on diluted net income per share, if applicable. The conversion option will have a dilutive impact on net income per share of common stock when the average market price per share of the Company's Class A common stock for a given period exceeds the conversion price of the 2023 Notes of \$48.36 per share. During the year ended January 31, 2019, the weighted average price per share of the Company's Class A common stock exceeded the conversion price of the 2023 Notes; however, since the Company is in a net loss position there was no dilutive effect during any period presented.

15. Subsequent Events

On March 5, 2019, the Company entered into an agreement to acquire all issued and outstanding stock of Azuqua, Inc., a company which provides a no-code, cloud-based integration platform that automates workflows between applications and services, for total cash consideration of approximately \$52.5 million. The acquisition will be accounted for under the acquisition method of accounting and is expected to close in the first quarter of fiscal 2020, subject to certain closing conditions. The Company has not completed its determination of total fair value of consideration transferred, assets acquired and liabilities assumed. The transaction is not expected to have a material impact on the consolidated financial statements.

Item 9. Changes in and Disagreements with Accountants on Accounting and Financial Disclosure

None.

Item 9A. Controls and Procedures

Evaluation of Disclosure Controls and Procedures

Our management, with the participation of our principal executive officer and principal financial officer, has evaluated the effectiveness of our disclosure controls and procedures (as defined in Rules 13a-15(e) and 15d-15(e) under the Securities Exchange Act of 1934, as amended (the Exchange Act)), as of the end of the period covered by this Annual Report on Form 10-K.

Based on this evaluation, our management concluded that, as of January 31, 2019, our disclosure controls and procedures are effective to provide reasonable assurance that information we are required to disclose in reports that we file or submit under the Exchange Act is recorded, processed, summarized, and reported within the time periods specified in the Securities and Exchange Commission's rules and forms, and that such information is accumulated and communicated to our management, including our principal executive officer and principal financial officer, as appropriate, to allow timely decisions regarding required disclosure.

Management's Report on Internal Control Over Financial Reporting

Our management is responsible for establishing and maintaining adequate internal control over financial reporting, as defined in Rule 13a-15(f) of the Exchange Act. Our management conducted an evaluation of the effectiveness of our internal control over financial reporting based on the framework in Internal Control—Integrated Framework issued by the Committee of Sponsoring Organizations of the Treadway Commission (2013 framework). Our internal over control over financial reporting includes policies and procedures that provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external reporting purposes in accordance with U.S. generally accepted accounting principles. Based on this evaluation, management concluded that our internal control over financial reporting was effective as of January 31, 2019. Our independent registered public accounting firm, Ernst & Young LLP, has issued an audit report with respect to our internal control over financial reporting, which appears in Part II, Item 8 of this Annual Report on Form 10-K, and is incorporated herein by reference.

Changes in Internal Control Over Financial Reporting

There was no change in our internal control over financial reporting identified in connection with the evaluation required by Rules 13a-15(d) and 15d-15(d) of the Exchange Act that occurred during the quarter ended January 31, 2019 that has materially affected, or is reasonably likely to materially affect, our internal control over financial reporting.

Inherent Limitations on Effectiveness of Controls

In designing and evaluating the disclosure controls and procedures and internal control over financial reporting, management recognizes that any controls and procedures, no matter how well designed and operated, can provide only reasonable assurance of achieving the desired control objectives. In addition, the design of disclosure controls and procedures and internal control over financial reporting must reflect the fact that there are resource constraints and that management is required to apply its judgment in evaluating the benefits of possible controls and procedures relative to their costs.

Item 9B. Other Information

Not Applicable.

Part III

Item 10. Directors, Executive Officers and Corporate Governance

The information required by this item is incorporated by reference to our Proxy Statement relating to our 2019 Annual Meeting of Stockholders. The Proxy Statement will be filed with the Securities and Exchange Commission within 120 days of the fiscal year ended January 31, 2019.

Code of Conduct

Our board of directors has adopted a code of conduct that applies to all of our employees, officers and directors. The full text of our code of conduct is available on our investor relations website at investor.okta.com under “Corporate Governance”. We intend to satisfy the disclosure requirement under Item 5.05 of Form 8-K regarding amendments to, or waiver from, a provision of our code of conduct by posting such information on the website address and location specified above.

Item 11. Executive Compensation

The information required by this item is incorporated by reference to our Proxy Statement relating to our 2019 Annual Meeting of Stockholders. The Proxy Statement will be filed with the Securities and Exchange Commission within 120 days of the fiscal year ended January 31, 2019.

Item 12. Security Ownership of Certain Beneficial Owners

The information required by this item is incorporated by reference to our Proxy Statement relating to our 2019 Annual Meeting of Stockholders. The Proxy Statement will be filed with the Securities and Exchange Commission within 120 days of the fiscal year ended January 31, 2019.

Item 13. Certain Relationships and Related Party Transactions

The information required by this item is incorporated by reference to our Proxy Statement relating to our 2019 Annual Meeting of Stockholders. The Proxy Statement will be filed with the Securities and Exchange Commission within 120 days of the fiscal year ended January 31, 2019.

Item 14. Principal Accountant Fees and Services

The information required by this item is incorporated by reference to our Proxy Statement relating to our 2019 Annual Meeting of Stockholders. The Proxy Statement will be filed with the Securities and Exchange Commission within 120 days of the fiscal year ended January 31, 2019.

Part IV

Item 15. Exhibits, Financial Statement Schedules

(a) The following documents are filed as part of this report:

1. Financial Statements

See Index to Financial Statements at Item 8 herein.

2. Financial Statement Schedules

Schedules not listed above have been omitted because they are not required, not applicable, or the required information is otherwise included.

3. Exhibits

See the Exhibit Index immediately following the signature page of this Annual Report on Form 10-K.

Item 16. Form 10-K Summary

None.

SIGNATURES

Pursuant to the requirements of Section 13 or 15(d) of the Securities Exchange Act of 1934, as amended, the registrant has duly caused this report to be signed on its behalf by the undersigned thereunto duly authorized.

OKTA, INC.

March 14, 2019

/s/ William E. Losch

 William E. Losch
Chief Financial Officer

POWER OF ATTORNEY

KNOW ALL PERSONS BY THESE PRESENTS, that each person whose signature appears below constitutes and appoints Todd McKinnon, William E. Losch and Jonathan T. Runyan, and each of them, as his or her true and lawful attorneys-in-fact and agents, with full power of substitution and resubstitution, for him or her and in his or her name, place and stead, in any and all capacities, to sign any amendments to this Annual Report on Form 10-K and to file the same, with Exhibits thereto and other documents in connection therewith with the Securities and Exchange Commission, hereby ratifying and confirming all that each of said attorneys-in-fact, or substitute or substitutes may do or cause to be done by virtue hereof.

Pursuant to the requirements of the Securities Exchange Act of 1934, this report has been signed below by the following persons on behalf of the Registrant and in the capacities and on the dates indicated:

Signature	Title	Date
<u>/s/ Todd McKinnon</u> Todd McKinnon	Chief Executive Officer and Director (Principal Executive Officer)	March 14, 2019
<u>/s/ William E. Losch</u> William E. Losch	Chief Financial Officer (Principal Accounting and Financial Officer)	March 14, 2019
<u>/s/ J. Frederic Kerrest</u> J. Frederic Kerrest	Director	March 14, 2019
<u>/s/ Shellye Archambeau</u> Shellye Archambeau	Director	March 14, 2019
<u>/s/ Patrick Grady</u> Patrick Grady	Director	March 14, 2019
<u>/s/ Ben Horowitz</u> Ben Horowitz	Director	March 14, 2019
<u>/s/ Michael Kourey</u> Michael Kourey	Director	March 14, 2019
<u>/s/ Rebecca Saeger</u> Rebecca Saeger	Director	March 14, 2019
<u>/s/ Michael Stankey</u> Michael Stankey	Director	March 14, 2019
<u>/s/ Michelle Wilson</u> Michelle Wilson	Director	March 14, 2019

EXHIBIT INDEX

Exhibit Number	Exhibit Description	Incorporated by Reference from Form
3.1	Amended and Restated Certificate of Incorporation.	Exhibit 3.2 to Form S-1 filed on March 13, 2017
3.2	Amended and Restated Bylaws.	Exhibit 3.4 to Form S-1 filed on March 13, 2017
4.1	Form of Class A Common Stock Certificate.	Exhibit 4.1 to Form S-1 filed on March 13, 2017
4.2	Indenture, dated as of February 27, 2018, by and between Okta, Inc., and Wilmington Trust, National Association, as trustee.	Exhibit 4.1 to Form 8-K filed February 27, 2018
4.3	Form of 0.25% Convertible Senior Notes due 2023 (included in Exhibit 4.2).	Exhibit 4.2 to Form 8-K filed February 27, 2018
10.1	Form of Indemnification Agreement between the Registrant and each of its directors and executive officers.	Exhibit 10.1 to Form S-1 filed on March 13, 2017
10.2#	Amended and Restated 2009 Stock Plan, as amended, and forms of agreements thereunder.	Exhibit 10.2 to Form S-1 filed on March 13, 2017
10.3#	2017 Equity Incentive Plan, and forms of agreements thereunder.	Exhibit 10.3 to Form S-1A filed on March 27, 2017
10.4#	2017 Employee Stock Purchase Plan, and form of agreements thereunder.	Exhibit 10.4 to Form S-1A filed on March 27, 2017
10.5#	Amended and Restated Senior Executive Incentive Bonus Plan	Exhibit 99.2 to Form 8-K filed on March 7, 2019
10.6#	Executive Severance Plan.	Exhibit 10.8 to Form S-1 filed on March 13, 2017
10.7#	Non-Employee Director Compensation Policy.	Exhibit 10.9 to Form S-1 filed on March 13, 2017
10.8#	Form of Offer Letter between the Registrant and each of its executive officers.	Exhibit 10.10 to Form S-1 filed on March 13, 2017
10.9	Office Lease Agreement dated December 2, 2017 between the Registrant and KR 100 First Street Owner, LLC.	Exhibit 10.1 to Form 8-K filed on December 6, 2017
10.10	Form of Call Option Transaction Confirmation.	Exhibit 10.1 to Form 8-K filed February 27, 2018

Exhibit Number	Exhibit Description	Incorporated by Reference from Form
10.11	Form of Warrant Confirmation.	Exhibit 10.2 to Form 8-K filed February 27, 2018
21.1	Subsidiaries of the Registrant.	Filed herewith
23.1	Consent of Ernst & Young LLP, Independent Registered Public Accounting Firm.	Filed herewith
31.1	Certification of the Chief Executive Officer pursuant to Exchange Act Rules 13a-14(a) and 15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.	Filed herewith
31.2	Certification of the Chief Financial Officer pursuant to Exchange Act Rules 13a-14(a) and 15d-14(a), as adopted pursuant to Section 302 of the Sarbanes-Oxley Act of 2002.	Filed herewith
32.1*	Certification of the Chief Executive Officer and Chief Financial Officer pursuant to 18 U.S.C. Section 1350, as adopted pursuant to Section 906 of the Sarbanes-Oxley Act of 2002.	Furnished herewith
101.INS	XBRL Instance Document	Filed herewith
101.SCH	XBRL Taxonomy Extension Schema Document	Filed herewith
101.CAL	XBRL Taxonomy Extension Calculation Linkbase Document	Filed herewith
101.DEF	XBRL Taxonomy Extension Definition Linkbase Document	Filed herewith
101.LAB	XBRL Taxonomy Extension Label Linkbase Document	Filed herewith
101.PRE	XBRL Taxonomy Extension Presentation Linkbase Document	Filed herewith

* The certifications furnished in Exhibit 32.1 hereto are deemed to accompany this Annual Report on Form 10-K and will not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended, except to the extent that the registrant specifically incorporates it by reference.

Indicates management contract or compensatory plan, contract or agreement.

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**CERTIFICATION PURSUANT TO RULE 13a-14(a) OR 15d-14(a) OF
THE SECURITIES EXCHANGE ACT OF 1934,
AS ADOPTED PURSUANT TO SECTION 302 OF
THE SARBANES-OXLEY ACT OF 2002**

I, Todd McKinnon, certify that:

1. I have reviewed this Annual Report on Form 10-K of Okta, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a—15(e) and 15d—15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: March 14, 2019

/s/ Todd McKinnon

Todd McKinnon
Chief Executive Officer
(Principal Executive Officer)

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**CERTIFICATION PURSUANT TO RULE 13a-14(a) OR 15d-14(a) OF
THE SECURITIES EXCHANGE ACT OF 1934,
AS ADOPTED PURSUANT TO SECTION 302 OF
THE SARBANES-OXLEY ACT OF 2002**

I, William E. Losch, certify that:

1. I have reviewed this Annual Report on Form 10-K of Okta, Inc.;
2. Based on my knowledge, this report does not contain any untrue statement of a material fact or omit to state a material fact necessary to make the statements made, in light of the circumstances under which such statements were made, not misleading with respect to the period covered by this report;
3. Based on my knowledge, the financial statements, and other financial information included in this report, fairly present in all material respects the financial condition, results of operations and cash flows of the registrant as of, and for, the periods presented in this report;
4. The registrant's other certifying officer(s) and I are responsible for establishing and maintaining disclosure controls and procedures (as defined in Exchange Act Rules 13a—15(e) and 15d—15(e)) and internal control over financial reporting (as defined in Exchange Act Rules 13a-15(f) and 15d-15(f)) for the registrant and have:
 - (a) Designed such disclosure controls and procedures, or caused such disclosure controls and procedures to be designed under our supervision, to ensure that material information relating to the registrant, including its consolidated subsidiaries, is made known to us by others within those entities, particularly during the period in which this report is being prepared;
 - (b) Designed such internal control over financial reporting, or caused such internal control over financial reporting to be designed under our supervision, to provide reasonable assurance regarding the reliability of financial reporting and the preparation of financial statements for external purposes in accordance with generally accepted accounting principles;
 - (c) Evaluated the effectiveness of the registrant's disclosure controls and procedures and presented in this report our conclusions about the effectiveness of the disclosure controls and procedures, as of the end of the period covered by this report based on such evaluation; and
 - (d) Disclosed in this report any change in the registrant's internal control over financial reporting that occurred during the registrant's most recent fiscal quarter (the registrant's fourth fiscal quarter in the case of an annual report) that has materially affected, or is reasonably likely to materially affect, the registrant's internal control over financial reporting; and
5. The registrant's other certifying officer(s) and I have disclosed, based on our most recent evaluation of internal control over financial reporting, to the registrant's auditors and the audit committee of the registrant's board of directors (or persons performing the equivalent functions):
 - (a) All significant deficiencies and material weaknesses in the design or operation of internal control over financial reporting which are reasonably likely to adversely affect the registrant's ability to record, process, summarize and report financial information; and
 - (b) Any fraud, whether or not material, that involves management or other employees who have a significant role in the registrant's internal control over financial reporting.

Date: March 14, 2019

/s/ William E. Losch

William E. Losch

Chief Financial Officer

(Principal Accounting and Financial Officer)

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**CERTIFICATION OF CHIEF EXECUTIVE OFFICER AND CHIEF FINANCIAL OFFICER
PURSUANT TO
18 U.S.C. SECTION 1350,
AS ADOPTED PURSUANT TO
SECTION 906 OF THE SARBANES-OXLEY ACT OF 2002**

Pursuant to the requirement set forth in Rule 13a-14(b) of the Securities Exchange Act of 1934, as amended, (the “Exchange Act”) and Section 1350 of Chapter 63 of Title 18 of the United States Code (18 U.S.C. §1350), Todd McKinnon, Chief Executive Officer of Okta, Inc. (the “Company”), and William E. Losch, Chief Financial Officer of the Company, each hereby certifies that, to the best of his knowledge:

1. The Company’s Annual Report on Form 10-K for the year ended January 31, 2019, to which this Certification is attached as Exhibit 32.1 (the “Periodic Report”), fully complies with the requirements of Section 13(a) or Section 15(d) of the Exchange Act; and
2. The information contained in the Periodic Report fairly presents, in all material respects, the financial condition and results of operations of the Company.

Date: March 14, 2019

/s/ Todd McKinnon

Todd McKinnon
Chief Executive Officer
(Principal Executive Officer)

/s/ William E. Losch

William E. Losch
Chief Financial Officer
(Principal Accounting and Financial Officer)

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Corporate Information

Board of Directors:

Todd McKinnon
Chairperson of the Board of Directors,
Chief Executive Officer & Director

J. Frederic Kerrest
Executive Vice Chairperson of the Board of
Directors, Chief Operating Officer & Director

Shellye Archambeau
Former Chief Executive Officer
MetricStream, Inc.

Patrick Grady
Managing Member
Sequoia Capital

Ben Horowitz
General Partner
Andreessen Horowitz

Michael Kourey
Chief Financial Officer
Vlocity Inc.

Rebecca Saeger
Former Chief Marketing Officer
Charles Schwab

Michael Stankey
Vice Chairman
Workday, Inc.

Michelle Wilson
Former Senior Vice President & General Counsel
Amazon.com Inc.

Executive Officers:

Todd McKinnon
Chairperson of the Board of Directors,
Chief Executive Officer & Director

J. Frederic Kerrest
Executive Vice Chairperson of the Board of
Directors, Chief Operating Officer & Director

William E. Losch
Chief Financial Officer

Charles Race
President, Worldwide Field Operations

Jonathan T. Runyan
General Counsel & Corporate Secretary

Corporate Headquarters:

Okta, Inc.
100 First Street, Suite 600
San Francisco, California 94105

Stock Transfer Agent:

Computershare
C/O: Shareholder Services
462 South 4th Street, Suite 1600
Louisville, Kentucky 40202
Toll Free Phone (800) 736 3001
International +1 (781) 575 3100

Investor Relations:

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(415) 604-3346

Stock Exchange Listing:

NASDAQ
Symbol: OKTA



okta.com