

# JOHN LOVE

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## Education

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**University of California, Berkeley**  
Applied Mathematics and Astrophysics

**Berkeley, CA**  
Graduated May 2017

### Relevant Coursework

Discrete Mathematics, Linear Algebra and Differential Equations, Multivariable Calculus, Numerical Analysis algorithms, Quantum Mechanics, Introduction to Complex Analysis

### App Academy

Coding boot camp on full stack engineering

**San Francisco, CA**  
October - November 2017

## Work Experience

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### Snowflake

*Software Engineer 2 - Cloud Automation*

*Software Engineer 3 - Cloud Automation*

**San Mateo, CA**

*October 2021 - February 2024*

*February 2024 - Present*

- Became FedRAMP authorized to work on infrastructure for FedRAMP deployments.
- Managed Terraform enterprise and selfhosted Pulumi deployments for all of Snowflake.
- Contributed to Snowflake Terraform provider adding customer requested features.
- Created API to enforce safety checks on Terraform runs to prevent changes to deployment infrastructure that would cause outages.
- Automated infrastructure management for over 700 AWS accounts used for data storage at Snowflake.

### ICE Mortgage Technology (formerly Ellie Mae)

*Software Engineer I on the Cloud Automation Team*

*Software Engineer II, DevOps on the Cloud Automation Team*

**Pleasanton, CA**

*February 2019 - February 2021*

*February 2021 - October 2021*

- Was key engineer in a project which deploys VPCs in AWS using Terraform running in Batch.
- Improved upon the account management platform which enforces rules on over 200 AWS accounts via remediations run every hour.
- Created an API to serve up information on AWS Accounts to Devs using API Gateway and Route 53.

### Starbutter AI

*Data Science | Software Engineering Intern*

**Berkeley, CA**

*August 2018 - January 2019*

- Presented analytics findings weekly to co-founders, drawing insights on the behavior of 80,000 users, which positioned the company for a successful fundraise.
- Wrote and deployed Python web scrapers using AWS Chalice (AWS Lambda + AWS CloudWatch), streaming data into AWS RDS PostGres database using SQLAlchemy.

## Languages and Skills

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- **Languages:** Python, Ruby, Javascript, SQL, CSS, HTML, HCL, Golang, Java, Bash, MATLAB
- **Skills:** Various Amazon Web Services (Lambda, EKS, EC2, S3, IAM, Cloudwatch, DynamoDB, Batch, etc), Docker, Git, Dialogflow, Jenkins, Vault, Pulumi, Terraform