

JOSH LOPEZ

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GitHub: [joshlopez97](https://github.com/joshlopez97)

PROFESSIONAL EXPERIENCE

Proofpoint, Inc.

Sunnyvale, CA

Software Engineer

06/2019 – Current

- Develop and maintain large analytics application, mainly working with Java and Kubernetes

ID Tech

Cypress, CA

Software Engineer

09/2018 – 01/2019

- Contracted to build mobile app for customers to remotely manage/monitor payment devices
- Node.js app features barcode scanner (using Quagga.js), remote device updates, real-time data analytics, device location info using Google Maps API, and much more

Proofpoint, Inc.

Sunnyvale, CA

Software Engineering Intern

06/2018 – 09/2018

- Investigated issues breaking downstream services that consumed from Kafka and S3 buckets
- Designed extendable JSON processing library; created new pipeline for validating & ingesting customer data, thus improving performance & visibility of schema mismatch errors
- Worked with Google Guice, Maven, and Jackson to create robust pipeline for processing and monitoring large amounts of event data

DevOps Engineering Intern

06/2017 – 09/2017

- Developed web app for searching and accessing thousands of Confluence resources
- Used Flask and Atlassian REST APIs for backend; HTML, CSS, & Javascript for frontend
- Additional development on fixing/improving infrastructure tools, mainly using Python & PHP

SKILLS

- *Programming Languages:* Java, Python JavaScript, SQL, C++, HTML, CSS
- *Programming Technologies:* Guice, Grizzly, Jersey, Jetty, Node.js, React
- *Databases:* MySQL, Elasticsearch, Redis, S3, MariaDB
- *Deployment:* Kubernetes, Docker, NGINX, Puppet
- *Other Skills:* Public speaking, SCRUM, Agile Methodologies

EDUCATION

University of California, Irvine

GPA: 3.854

Computer Science B.S.

Graduated 2019

SELECTED PROJECTS

GradeTip ([site](#) | [repository](#))

Document-sharing platform and forum for students built as small business idea. Allows users to collaborate, ask for help with schoolwork, and share study materials. Website built in Python using Flask, redis, and wsgi; deployed via NGINX.

Path-Finding Visualizer ([demo](#) | [repository](#))

React application that creates animated visualizations of path-finding algorithms on undirected graphs. The application generates random graphs and then creates a visualization for node exploration and the shortest path found.

MovieNight ([repository](#))

Movie browsing platform that allows for searching, browsing, and buying movies (integrated with PayPal). Composed of several Java microservices, each of which is built using Jersey, Jackson, MySQL, Gradle.