

JOSH LOPEZ

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PROFESSIONAL EXPERIENCE

Amazon

Software Development Engineer II

Software Development Engineer I

Sunnyvale, CA

02/2021 – Current

10/2019 – 02/2021

- Led design and implementation of new Kindle navigation system; Worked with PM to define requirements, then created a design doc for review by developers and stakeholders.
- Improved speed of several Kindle navigational flows by 30-40%.
- Implemented & maintained other features related to Kindle E-reader's chromebar, dialogs, font menu, and more using C++, C, React Native, TypeScript, and Java.

Proofpoint

Software Engineer

Sunnyvale, CA

06/2019 – 10/2019

- Designed and built notification service to alert customers of security vulnerabilities / issues.
- Investigated, diagnosed, and fixed on-call customer issues / bugs.
- Built cybersecurity profiling and filtering features for Proofpoint's TAP Dashboard which processes TBs of data for customers and analysts; Used Java, MySQL, Elasticsearch, and React JS.

ID Tech

Software Engineer Co-Op

Cypress, CA

09/2018 – 01/2019

- Designed & built progressive web app for customers to manage their payment devices.
- Built features for device barcode scanner, remote device updates, real-time data analytics, and device location info using JavaScript, Node.js, and Google Maps API.

Proofpoint

Software Engineering Intern

Sunnyvale, CA

06/2018 – 09/2018

- Built robust library for processing and monitoring large amounts of Kafka and S3 data using Java, Guice, Maven, and Jackson.

DevOps Engineering Intern

06/2017 – 09/2017

- Developed web app for searching and accessing thousands of Confluence resources.
- Built using Python, Flask, WSGI, Redis, JavaScript, HTML, & CSS.

SELECTED PROJECTS

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

Built as part of a start-up business idea, GradeTip is a document-sharing platform and forum for students. The website allows users to collaborate, ask for help with schoolwork, and share study materials. It was built using Python, JavaScript, Flask, Redis, and WSGI; deployed via NGINX.

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

Educational application that creates animated visualizations of node exploration and shortest path found for path-finding algorithms like Dijkstra's algorithm or A* Search on undirected graphs. Built using React JS.

SKILLS

- *Programming Languages:* C++, Java, Python, JavaScript, C, TypeScript, Shell
- *Databases:* MySQL, ElasticSearch, Redis, S3
- *Other Skills:* system design, web development, data structures, algorithms, databases, Git

EDUCATION

University of California, Irvine
Computer Science B.S.

GPA: 3.85
Graduated 2019