JOSH LOPEZ

Email: josh@joshlopez.co | Phone: (925) 719 5064
Website: joshlopez.co | GitHub: joshlopez97

PROFESSIONAL EXPERIENCE

Amazon   **Sunnyvale, CA**
Software Development Engineer II   *02/2021 – Current*
Software Development Engineer I   *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.
- Built APIs for use by client application to configure UI elements and perform navigation actions.
- Implemented & mainained other features related to Kindle E-reader's chromebar, dialogs, font menu, and more using C++, C, React Native, TypeScript, and Java.

Proofpoint   **Sunnyvale, CA**
Software Engineer   *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   **Cypress, CA**
Software Engineer Co-Op   *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   **Sunnyvale, CA**
Software Engineering Intern   *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   GPA: 3.85
Computer Science B.S.   Graduated 2019