JOSH LOPEZ

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PROFESSIONAL EXPERIENCE

Amazon   **Sunnyvale, CA**
Software Development Engineer   *10/2019 – Current*
- Remodeled navigation architecture to improve performance and customer experience for millions of Kindle E-reader customers.
- Created design docs and held design review meetings with Principal Engineers and management.
- Improved performance of several Kindle navigational flows by 30-40%.
- Implemented & mainained features related to Kindle E-reader's chromebar, navigation, and font menu 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
- Implemented & maintained features to support Proofpoint's TAP Dashboard which process TBs of security-related data for customers and analysts; Used Java, mySQL, Elasticsearch, and React JS.

ID Tech   **Cypress, CA**
Software Engineer (Contract)   *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 JavaScript / React JS.

SKILLS

- *Programming Languages*: C++, Java, Python, JavaScript, C
- *Databases*: mySQL, ElasticSearch, Redis, S3
- *Other Skills*: system design, web development, data structures, algorithms, public speaking, Agile

EDUCATION

University of California, Irvine   GPA: 3.85
Computer Science B.S.   Graduated 2019