Joseph Carbone

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Summary

I am currently a Software Development Engineer with AWS Internet of Things organization which allows customers microcontroller devices to interact and connect to cloud services. I am well versed in Java and Golang but have knowledge in a vast number of other items. I am currently looking for full-time positions that reside in Southern California or are fully/hybrid remote based.

Technical Skills

Languages: Java, Python, JavaScript, TypeScript, Go, C++, SQL, NoSQL
Technologies: AWS Cloud Services, Cloud Essentials, Git, MongoDB, MySQL, APIs, Docker
Other Skills: Technical Writing, Unit Testing, CI/CD Pipelines, Distributed Systems, Agile Scrum, Leadership

Work Experience

Software Development Engineer – Amazon Web Services (AWS)   November 2021 - Current
- AWS IoT Device Tester (IDT) for FreeRTOS Qualification 2.0 (Nov 2021 – May 2023) (Seattle, WA)
  - Designed and implemented the FreeRTOS 2.0 IDT Test Suite which automates microcontroller qualification on the AWS Partner Catalog, increasing qualification rate by 600%
  - Enhanced critical solutions in projects, leading to an 125% runtime improvement in test groups
  - Obtained deep understanding of AWS Cloud infrastructure; Lambda, CDK, DynamoDB, S3, SQS
- AWS IoT Greengrass (Cloud) – Partner Attribution and Metering (May 2023 - Active) (Irvine, CA)
  - Owned and designed attribution of Greengrass IoT devices with AWS microcontroller partners

Associate Software Engineer - Infosys Limited (Fully Remote)   March 2021 – October 2021
- Client Project: **Contract SE** - **AVNET** (Based in Phoenix, AZ)
  - Maintained severe operational load for large scale shipping applications with external users
  - Contributed to enhancements and debugging of AVNET shipping applications with a team of 12

Projects

eCommerce Store MERN Stack Web Application   October 2020 – December 2020
- Used NodeJS and React to complete an entire mock sell/buy store for users to get a guaranteed offer
- A set offer for sellers, eliminates C2C interaction/negotiation, speeding up trades by about 200%
- https://github.com/josephrcarb/eCommerce-App

Venmo Transaction History Summator   June 2020 – July 2020
- Developed visual UI transaction history to provide users with a 100% faster way to view finance totals
- Manipulated authentication from Mark Mohades' Venmo API to work with Frontend UI using Python
- https://github.com/josephrcarb/Venmo-api

Education

University of California Irvine   Irvine, CA

Bachelor of Science in Computer Engineering   June 2020

Coursework: Data Structures & Algorithms, Databases & Data Management, OOP Design and Systems, Computer Networks