Raisa Gandi Putri

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EXPERIENCE

Cloud Engineer | Bose Corporation, Framingham MA   **January 2020 – June 2020**

Project: Product State Subscriber

- As part of the **Alexa** Voice Cloud Team, designed, implemented, tested, and deployed to production a Golang microservice that processes Pulsar messages and notifies the Amazon cloud when smart home devices go offline.
- Deployed the service using CI/CD pipeline.
- Used Kibana, Grafana, and Prometheus for logging and monitoring.
- Interfaced with external teams to incorporate new functionality for Pulsar publisher.
- Used Docker Compose for local service development.
- Wrote first line of code in February, and service went live in production in May with Bose quality standards.
- Service is processing 100s of messages per minute and has 0 critical issues since it went live in production.

Project: Golang HTTP Requests Module

- Wrote and tested Golang module that creates customizable HTTP requests using request and status/timeout retry wrappers, sends the requests, and handles any errors encountered.
- De-facto module for team's Golang microservices.

- Wrote and executed unit, functional, performance, and fault-tolerance tests for team's microservices.
- Helped root-cause and debug production issues during on-call rotations.
- Led Scrum team daily standups, rotating with other team members.
- Mentored summer intern by preparing lesson plans, holding interactive tutorials, breaking down technical concepts, and providing help with debugging.

Cloud Engineer Intern | Bose Corporation, Framingham MA   **June 2019 – September 2019**

- Implemented Golang microservice as part of exploration for sending events to the Amazon cloud.
- Used Docker for microservice development, Kibana for logging and monitoring, and Redis for caching.

Undergraduate Research Assistant | UC Davis   **November 2018 – March 2019**

- Worked with the UC Davis Programming Languages and Software Engineering Lab.
- Analyzed the effectiveness of Infer, a static analysis tool developed by **Facebook**.
- Took defective Maven projects from the lab's BugSwarm database to run them as Docker containers.
- Wrote Python scripts to run Infer on defective projects and verify their coverage.

Computer Science Tutor | UC Davis   **October 2018 – June 2019**

- Tutored undergraduate introductory programming courses in Python and object-oriented programming in C++ on a volunteer basis, averaging 2 tutees a week.
- Explained and broke down programming concepts and provided help with debugging.

SKILLS

Languages:
- **Proficient:** Golang, **Comfortable:** Python, C++
- **Basic:** C, Java, R, MATLAB, HTML/CSS, JavaScript

Tools & Frameworks: git, UNIX/Linux, Docker, Docker Compose, Kubernetes, Kibana, Grafana, Prometheus, Apache Pulsar, Gin, Flask, MockServer, AWS, Jira, Confluence, Redis

EDUCATION

University of California, Davis   September 2016 - **December 2019**

B.S. in **Computer Science**, Minor in **Music**

GPA: **3.434** / 4

- Activities**:** Davis Computer Science Club, Society of Women Engineers, UC Davis Women in Computer Science

AWARDS AND OTHER EXPERIENCE

Grace Hopper Conference Scholarship 2018

- From the UC Davis Dean of Engineering.

Motivational speaker | UC Davis   **September 2017 – January 2018**

- Invited by lecturer Matt Butner to speak to lower division CS courses.
- Inspired over 500 students by sharing personal freshman year challenge with programming and encouraged them to seek help from instructors or counselors.
- Significantly improved students' study skills and grades.