JAE-MIN JO

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Professional Summary: I am a software engineer who enjoys problem solving, debugging, and writing code. In my previous occupations, I have initiated and developed software to simplify/automate manual tasks and increased job throughput of our team. My exposure to various kinds of software from different industries helps me learn different technologies quickly. In my own projects, I have developed application from the design and programming of the front-end to the implementation of the back-end RESTful API endpoints. In addition to my technical skills, I have made significant contributions as a communicator in my workplaces (collaborating with co-workers and team, relaying information to engineers overseas, real-time translating a meeting in 2 languages, and translating important documents).

Projects

Personal Portfolio Website
Tech-stack: React, Bootstrap, JavaScript, GitHub Pages
URL: https://91jaeminjo.github.io/portfolio

Task Management Application
Tech-stack: Angular, Java Spring Boot, Maven, JPA, Hibernate, MySQL, REST APIs, HTML, CSS, TypeScript, Git, GitHub, AWS
Description: Full-stack application that manages operations of tasks via RESTful API endpoints in Java Spring Boot application, connected with MySQL via Hibernate/JPA. Deployed in AWS – S3 static website hosting for front-end, EC2 t2.micro Linux instance for back-end.

Calculator Application
Tech-stack: Angular, Java Spring Boot, Maven, JPA, Hibernate, MySQL, REST APIs, HTML, CSS, TypeScript, Git, GitHub, GCP
Description: Full-stack application with addition, subtraction, and operation history functions. Deployed in GCP – Compute Engine n1-standard-4 Windows VM instance.

EXPERIENCE

PLUS ENG, PLC Engineer – Austin, Texas | October 2018 – December 2019
- Updated PLC programs to add new features and enhance existing features
- Troubleshooted, diagnosed, and repaired Slurry Distribution Systems operated by PLC
- Facilitated communication between Korean HQ and U.S. customers including Samsung Austin Semiconductor

Microsemi, **Test Engineer – Austin, Texas** | October 2016 – July 2018
- Developed test programs in C to validate thousands of RF IC in production
- Developed scripts (with grep, sed, AWK, regex) to create test signals and patterns, analyze production and engineering datalogs, and automate repetitive manual tasks
- Managed and debugged legacy code (in C, LabVIEW, tcl)
- Managed test programs in SVN
- Collaborated with offshore production engineers to monitor and correct problems in company products

BP America, HPC System Admin Intern – Houston, Texas | May 2015 – August 2015
- Compiled open source software to facilitate research on the High-Performance Computers
- Wrote Python scripts to automate web verification process using Beautiful Soup library
- Analyzed and evaluated file transfer methods through WAN simulation

SKILLS

Languages: Java, JavaScript, TypeScript, HTML, CSS, Python, C
Frameworks: Angular, React, Bootstrap, Java Spring, Spring Boot, JPA, Hibernate
Cloud Technology: AWS, GCP
Certification: AWS Certified Developer (Credential ID 42L16GGC32141MGH), AWS Cloud Practitioner (N644HQDK3BEQ1XCD)

EDUCATION

The University of Texas at Austin - Bachelor of Science, Electrical & Computer Engineering - May 2016   GPA: 3.277