Jiwon Kim

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EXPERIENCED SOFTWARE ENGINEER

Experienced and innovative Software Engineer ready to apply knowledge and skills from prior projects, internships, work experiences to immediately add value in a new opportunity. Eager to contribute to a forward-thinking company that values adaptability, self-sufficiency, strong work ethic, and collaborative teamwork while providing opportunities for continuous skill development and growth.

SKILLS

Programming Languages: Java, JavaScript, TypeScript, C, C++, C#, Swift, Python, SQL, HTML
Frameworks: Angular, Spring Boot, Quarkus
Programming Tools: Git, Azure, Kubernetes, Intellij, Eclipse
Languages: English (Fluent), Korean (Fluent)
Programming Skills: Object-Oriented Programming, Data structures, Algorithms, Restful API design

EXPERIENCE

General Motors – Chandler, AZ – Software Engineer   September 2020 – October 2023
- Engineered and deployed Full-Stack Open Social Gadgets utilizing Java (Spring Boot) and Javascript, automating tasks within IBM's tool sets, enhancing operations and productivity
- Ensured stability and reliability of critical tools through proactive bug-fixing and issue resolution
- Led successful data migration from Rational Quality Management to Jama by engineering an export automation tool utilizing Java (Spring Boot), minimizing downtime and preserving data integrity for over 80,000 test artifacts
- Engineered a Full-Stack error reporting and automated artifact repair tools, ensuring data integrity in test suites and providing real-time support for error resolution for over 10,000 artifacts utilizing Java (Spring Boot) and JavaScript
- Initiated and built a ground-up internal platform with Java (Quarkus) and JavaScript (Angular) to host automation and migration tools, streamlining operations, facilitating task management and deploy to GM cloud utilizing the power of Kubernetes
- Experience in Agile Scrum using Agile DevOps system, writing user stories, estimating story points, creating tasks, managing personal velocity, providing feedback via retrospective, and demoing and delivering completed software artifacts

Choice Hotels International – Scottsdale, AZ – Software Engineering Intern   June 2019 – May 2020
- Designed and developed scalable data transfer application, monitoring team application health with a focus on seamless expansion
- Implemented automated data retrieval system using RestTemplate and HttpClient, ensuring smooth and reliable data flow from SonarDB to KairosDB
- Achieved extensive test coverage of over 90% using mockMVC and Mockito in JUnit tests, ensuring codebase robustness and reliability
- Created AWS Lambda for serverless computing, reducing reliance on AWS instances for efficient and cost-effective solutions

PROJECTS

Cola Note – Tempe, AZ – Independent Project (github) – www.colanote.com   June 2023 – Current
- Created a Full-Stack Application with JavaScript (Angular) and Java (Spring Boot) to facilitate team collaboration and streamline critical announcement visualization
- Integrated JSON Web Token (JWT) for efficient and stateless user authentication and authorization
- Orchestrated deployment on AWS BeanStalk to ensure a dependable REST API service for the frontend application
- Utilized AWS RDS (Postgres) as a resilient and scalable database, enhancing long-term data reliability and accessibility

Project Pylon – Tempe, AZ – Startup – Software Developer   December 2021 – March 2022
- Developed a secure signup system with an advanced password hashing system, ensuring enhanced data protection and user account security
- Engineered an efficient email confirmation system, leveraging Gmail SMTP services, to streamline user verification and ensure seamless onboarding
- Develop a login system to verify user's login inputs to hashed passwords and information on the databases

EDUCATION

Arizona State University, Tempe, AZ   Graduation Date: May 2020
Bachelor of Science in Computer Science (Software Engineering)