

Summary

Senior Software Engineer with expertise in backend development, distributed systems, and cloud solutions. Strong analytical and troubleshooting skills, with a collaborative mindset and excellent communication abilities.

Education

- **National University of Singapore (NUS)** Singapore
B.Comp Engineering (Hons) Aug 2009 - May 2013

Work Experience

- **Visa Worldwide** Singapore
Staff Software Engineer Sep 2022 - Present
 - Led development of features and bug fixes for Visa Installments, while driving the migration from monolith to microservices to enhance system stability and scalability.
 - Designed and led development of features for Visa Click to Pay, including the migration of 70 million profiles, enabling checkout via both email and phone.
 - Optimized regression testing, reducing execution time by 75% and significantly accelerating deployment cycles.
 - Led a team of 3-8 engineers, conducting PR reviews and providing technical guidance to improve code quality and best practices.
 - Collaborated with teams across multiple global offices, working closely with QA, DevOps, and Security teams to ensure seamless development and deployment.
 - Partnered with product managers and architects for grooming, technical design; led stakeholder demos for completed features.
- **Funding Societies** Singapore
Senior Software Engineer Sep 2019 - Sep 2022
 - Led a team of 5 to develop a Virtual Credit Card provisioning service
 - Integrated with an external partner API for user, wallet and card provisioning.
 - Developed webhooks to authorize or reject card transactions in a timely manner.
 - Automated an application registration process, reducing setup time from weeks to minutes.
 - Built and launched Buy Now Pay Later (BNPL) in Indonesia, securing 50,000+ applications.
 - Delivered new features for Trade Finance SaaS platform for small businesses in 5 SEA countries.
- **Plunify** Singapore
Senior Software Engineer May 2016- Sep 2019
 - Developed a web platform enabling users to launch AWS cloud instances for FPGA chip optimization.
 - Designed and built a credits and cloud instance management system within the web platform.
 - Integrated payment processing and OAuth authentication for secure user access.
 - Created machine learning algorithms reducing FPGA chip optimization times by 20%.
- **Bioinformatics Institute** Singapore
Software Developer Aug 2013 - Apr 2016
 - Implemented a novel microscopy screening algorithm and reduced acquisition time by 40%.
 - Developed image processing algorithms and software achieving 99% fly species detection accuracy.

Skills

Languages: Java, Go, JavaScript, Python, C++

Frameworks & Tools: Spring Boot, Node.js, AWS, Git, Jenkins, Maven, Kubernetes, Kafka, SQL

Certifications: AWS Certified Developer - Associate