

VRAJ SHAH

 +19029941436  shahvraj2016@gmail.com  linkedin.com/in/vraj-shah  github.com/shah-vraj  portfolio  Blog

Work Experience

Simform Solutions

Dec 2021 - Nov 2023

Software Engineer

Ahmedabad, India

- **Developed and delivered scalable Android and iOS applications**, such as Drone Control, Vring, and OneCloud Connect, by implementing optimized code structures, **resulting in a 40% performance improvement** and enhancing user experience across platforms.
- **Implemented MVVM and Clean Architecture design patterns**, improving project scalability and maintainability by 30%, which enabled faster integration of new features and easier bug resolution.
- **Developed and maintained reusable components** used across 10+ projects, **streamlining development cycles by 30%** and ensuring consistency across codebases, which reduced time-to-market and increased code reliability.
- **Integrated third-party SDKs and APIs** (e.g., Stripe, PayPal, IoT SDKs) into mobile apps, **improving user engagement by 25%** and increasing retention rates by 20%.
- **Utilized Firebase Crashlytics to reduce app crash rates by 35%**, resulting in better app-store ratings and higher user retention through proactive bug fixing and rigorous testing practices.
- **Contributed to open-source libraries** in Java/Kotlin to improve code quality and optimize development workflows, resulting in better collaboration and increased project efficiency.
- **Applied Agile methodologies** (Scrum) and participated in sprint planning and retrospectives, ensuring alignment of development tasks with business goals.
- **Used Git for version control**, effectively managing branches, resolving merge conflicts, and maintaining a collaborative development environment across the team.

Education

Dalhousie University

Jan 2024 - Sep 2025

Master of Applied Computer Science (Co-op Candidate) — GPA: 4.07/4.3

Halifax, Canada

Charusat University

Jun 2018 - Apr 2022

Bachelor of Computer Engineering — GPA: 8.7/10

Gujarat, India

Projects

ServiceHub | *Source Code*

ReactJS | Spring Boot (JAVA) | MySQL

- **Designed and built a scalable web application** for service providers and requesters, integrating e-signed contracts and feedback systems, **resulting in a 20% increase in user engagement** by enhancing user trust and interaction flow.
- **Applied Object-Oriented Programming principles** (e.g., classes, objects, inheritance) to design modular and reusable code for the backend, ensuring maintainability and scalability.
- **Architected backend using Java Spring Boot and integrated it with a ReactJS frontend**, achieving 99.9% uptime and enabling seamless real-time interactions among over 1,000 active users.

K8s Microservices | *Source Code*

Spring Boot (Kotlin) | Kubernetes | Docker | CloudBuild

- **Implemented Kubernetes-based microservices architecture**, creating a highly available system with two Spring Boot containers, **ensuring secure communication and fault tolerance between services**.
- **Deployed microservices using Kubernetes** and automated deployment processes with **CloudBuild**, improving deployment speed and scalability by 40%.
- **Worked with Docker containers** to facilitate easy application deployment, **increasing the speed of testing and production cycles** while ensuring a consistent environment across development and production.

Technical Skills

Mobile Development: Android (Kotlin, Jetpack Compose, XML), iOS (Swift, Storyboard, SwiftUI)

Frontend Technologies: ReactJS, JavaScript, HTML, CSS, Bootstrap, TailwindCSS

Backend Technologies: Spring Boot (Java/Kotlin), Node.js, RESTful APIs, Test-Driven Development (TDD)

Cloud & DevOps: AWS, Azure, Google Cloud Platform (GCP), Firebase, Docker, Kubernetes, CI/CD Pipelines

Databases: MySQL, MongoDB, SQLite, DynamoDB, Room, Realm

Version Control & Collaboration: Git (GitHub, GitLab, BitBucket, Azure), JIRA, ZOHO

Programming Fundamentals: Data Structures and Algorithms (DSA), Multi-threading, Coroutines

Soft Skills: Leadership, Team Collaboration, Analytical, Verbal, and Written Communication