

# VRAJ SHAH

 +9029941436  shahvraj2016@gmail.com  linkedin.com/in/vraj-shah  github.com/shah-vraj  portfolio  Blog

## Technical Skills

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**Programming Languages:** Kotlin, Swift, Java, Python, JavaScript

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

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

**Backend & Cloud:** Spring Boot, Node.js, RESTful APIs, AWS (Lambda, DynamoDB), Firebase

**DevOps & Tools:** Docker, Kubernetes, CI/CD Pipelines, GitHub Actions, GitLab CI

**Databases:** MySQL, MongoDB, SQLite, Room, Firebase Firestore

**Software Development Practices:** Agile (Scrum), Test-Driven Development (TDD)

**Key Competencies:** Problem Solving & Analysis, Agile Development, Communication & Teamwork, Continuous Learning

## Work Experience

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### Simform Solutions

Dec 2021 - Nov 2023

*Software Engineer*

*Ahmedabad, India*

- Developed and optimized cross-platform mobile applications, improving performance by 40% and enhancing user engagement by 25% through efficient API calls using Retrofit and OkHttp.
- Designed and implemented MVVM and Clean Architecture, increasing code reusability and maintainability by 30%, reducing debugging time for future enhancements.
- Led the integration of third-party SDKs (Stripe, PayPal, IoT), enhancing app functionalities and increasing retention by 20%.
- Automated unit testing with JUnit, Mockito, and Espresso, reducing bug detection time by 35%, improving code quality and app stability.
- Leveraged Firebase Crashlytics to track and fix critical issues, resulting in a 35% crash reduction and improved user experience.
- Actively contributed to open-source projects, improving development workflows and promoting collaboration within the Android community.

## Education

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### 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

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### 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.