

# VRAJ SHAH

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## Education

### Dalhousie University

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

Jan 2024 - Sep 2025

Halifax, Canada

### Charusat University

Bachelor of Computer Engineering — GPA: 8.7/10

Jun 2018 - Apr 2022

Gujarat, India

## Work Experience

### Simform Solutions

Dec 2021 - Nov 2023

Software Engineer

Ahmedabad, India

- Delivered scalable Android and iOS applications by optimizing code structures, resulting in a **40% performance improvement** and a **20% increase in user engagement metrics**.
- Increased project scalability and maintainability by 30%** through implementing MVVM architecture and Clean Architecture design patterns, resulting in faster feature rollouts.
- Streamlined development cycles by 30%** by creating 10+ reusable components and contributing to open-source Java/Kotlin libraries, accelerating the delivery of high-quality applications.
- Boosted user engagement by 25%** and improved user retention rates by 20% through the integration of 5+ third-party SDKs and APIs (e.g., Stripe, PayPal, IoT SDKs).
- Decreased code issues by 75%** by conducting code reviews and establishing coding standards, resulting in better adherence to CI/CD practices using Jenkins and GitLab pipelines.
- Reduced app crash rates by 35%** by adopting Firebase Crashlytics and implementing comprehensive testing and debugging strategies, improving app-store ratings.

## Projects

### K8s Microservices | Source Code

Spring Boot (Kotlin) | Kubernetes | Docker | GCP CloudBuild

- Implemented Kubernetes-based microservices architecture with two Spring Boot containers, enabling seamless communication and **improving system uptime to 99.5%**, resulting in better service reliability.
- Configured Kubernetes deployments, services, and ingress rules to ensure scalability and secure communication, **reducing service downtime by 40%**.

### ServiceHub | Source Code

React.js | Spring Boot (JAVA) | MySQL

- Built a scalable web application connecting service providers and requesters, **increasing user engagement by 20%** through the implementation of e-signed contracts and service management features.
- Achieved 99.9% uptime** by architecting a robust backend using Spring Boot and seamlessly integrating with ReactJS.

### Habit | APK | Source Code

Android (Kotlin - XML) | Spring Boot (Kotlin) | MongoDB

- Developed a habit-tracking mobile app, incorporating user feedback and **improving daily active users by 40%** by optimizing user experience and design.
- Engineered a robust Spring Boot backend integrated with MongoDB, **reducing synchronization issues by 30%**, enabling real-time data updates across five different devices.

## Technical Skills

**Programming:** Python, JavaScript, TypeScript, Golang, Kotlin, Java, Swift

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

**Frontend & Backend:** HTML, CSS, React.js, Angular, RESTful APIs, Spring Boot (Java/Kotlin), Node.js, Microservices

**Databases:** MySQL, MongoDB, DynamoDB, SQLite

**Version Control & Tools:** Git (GitHub, GitLab, Bitbucket), JIRA, ZOHO

**Concepts:** Object-Oriented Programming (OOP), Design Patterns, API Services, Containerization

**Soft Skills:** Effective communication, analytical thinking, eager learner, strong collaborator, problem solving mindset

**Key Strengths:** Proficient in designing, building, and maintaining scalable cloud-based systems. Strong problem-solving skills with experience in troubleshooting and debugging distributed microservices. Proven ability to collaborate across cross-functional teams and deliver results in dynamic environments. Passionate about creating tools for operational excellence and optimizing development processes.