

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

- Engineered high-performance Android and iOS applications, **optimizing resource utilization and achieving a 40% performance boost**, enhancing user experience across multiple projects.
- Refactored app architecture using MVVM and Clean Architecture principles, **reducing maintenance effort by 30% and improving code scalability** for long-term growth.
- Developed reusable components and contributed to open-source projects, **cutting development time by 30% and standardizing coding practices** across teams.
- Integrated third-party SDKs (Stripe, PayPal, IoT) to enhance application features, **leading to a 20% increase in user retention rates**.
- Conducted rigorous code reviews and established CI/CD pipelines, **reducing deployment issues by 75%** and accelerating release cycles.
- Leveraged Firebase Crashlytics for proactive debugging, **decreasing app crashes by 35% and boosting overall user satisfaction**.

Projects

ServiceHub | *Source Code*

ReactJS | Spring Boot (JAVA) | MySQL

- Engineered a scalable web application connecting service providers and users, **increasing engagement by 20%** through intuitive design and efficient contract management.
- Developed a robust backend with Spring Boot, **achieving 99.9% uptime** while managing real-time interactions for over 1,000 active users.

K8s Microservices | *Source Code*

Spring Boot (Kotlin) | Kubernetes | Docker | CloudBuild

- Designed a Kubernetes-based microservices architecture, **enabling efficient service communication and scalable deployment using Docker containers**.
- Configured Kubernetes deployments, services, and ingress rules to **enhance system fault tolerance and security**.

Habit | *APK* | *Source Code*

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

- Built a habit-tracking mobile app, **increasing daily active users by 40%** by implementing a clean UI/UX and user-driven feature enhancements.
- Developed a Spring Boot backend with MongoDB, **enabling secure data storage and real-time sync** across 5+ devices for a seamless user experience.

Technical Skills

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

Frontend: ReactJS, JavaScript, HTML, CSS, Redux, TailwindCSS

Backend: Python (FastAPI, Flask), Spring Boot (Java/Kotlin), Node.js, REST APIs

Testing & Performance: JMeter, Selenium, JUnit, Mockito, CI/CD Pipelines

Cloud & DevOps: AWS, Google Cloud, Firebase, Docker, Kubernetes

Databases: MySQL, MongoDB, SQLite, DynamoDB

Version Control: GitHub, GitLab, BitBucket

Soft Skills: Analytical Thinking, Team Collaboration, Communication