

# VRAJ SHAH

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## Technical Skills

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**Languages:** Java, Kotlin, C#, JavaScript, PHP, SQL

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

**Backend Development:** Spring Boot (Java/Kotlin), Node.js, WCF, RESTful APIs

**Frontend Development:** ReactJS, HTML5, CSS, Bootstrap, JavaScript

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

**Cloud & DevOps:** AWS, Azure, Firebase, Docker, Kubernetes, CI/CD Pipelines

**Testing & Version Control:** JUnit, Mockito, Espresso, Git (GitHub, GitLab)

**Soft Skills:** Team Collaboration, Problem-Solving, Agile Development, Code Reviews

## Work Experience

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### Simform Solutions

Dec 2021 - Nov 2023

*Software Engineer*

*Ahmedabad, India*

- **Developed and optimized Android and iOS applications** using Kotlin, Swift, and Jetpack Compose, **enhancing app performance by 40%** and **reducing load times by 25%**.
- **Designed scalable backend services** with Spring Boot (Java/Kotlin) and Node.js, **leading to a 35% increase in API efficiency** and seamless multi-user interactions.
- Led the integration of SQL and NoSQL databases, **improving data retrieval speeds by 30%** and ensuring robust transaction management.
- **Implemented MVVM and Clean Architecture**, **increasing code maintainability and scalability by 30%**, allowing faster feature rollouts.
- **Streamlined CI/CD pipelines** with GitHub Actions and GitLab CI, **reducing deployment time by 50%** and enhancing release efficiency.
- **Conducted thorough unit testing** with JUnit, Mockito, and Espresso, **decreasing bug occurrences by 40%** before production deployment.
- **Improved application security** by integrating authentication and authorization mechanisms, **reducing vulnerabilities by 60%**.

## 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.