

# VRAJ SHAH

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## Technical Skills

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**Programming Languages:** JavaScript, C#, Python, SQL

**Web Development:** ReactJS, HTML5, CSS3, Bootstrap, TailwindCSS, ASP.NET

**Microsoft Technologies:** SharePoint, Microsoft 365, PowerShell

**Database Management:** MS SQL Server, MySQL, Firebase Firestore

**Backend Development:** Node.js, RESTful APIs, Spring Boot

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

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

**Key Competencies:** Problem Solving, Analytical Thinking, Communication, Teamwork

## Work Experience

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### Simform Solutions

Dec 2021 - Nov 2023

*Software Engineer*

*Ahmedabad, India*

- **Designed and delivered scalable Android and iOS mobile applications**, such as Drone Control, Vring, and OneCloud Connect, by implementing optimized code structures, **resulting in a 40% performance improvement**.
- **Implemented MVVM architecture and Clean Architecture** design patterns, **increasing project scalability and maintainability by 30%**, ensuring smooth feature rollouts.
- **Streamlined development cycles by 30%** and enhanced code reliability by developing 10+ reusable components and contributing to open-source Java/Kotlin libraries, resulting in faster delivery of high-quality applications.
- Enriched app functionality and **boosted user engagement metrics by 25%** by integrating 5+ third-party SDKs and APIs (e.g., Stripe, PayPal, IoT SDKs), leading to a **20% improvement in user retention rates**.
- **Conducted code reviews** and established coding standards, **decreasing code issues by 75%** and maintaining alignment with CI/CD practices using Jenkins and GitLab pipelines.
- **Reduced app crash rates by 35%** with Firebase Crashlytics, improving app-store ratings and user retention through rigorous testing and debugging strategies.

## 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.