







# VRAJ SHAH

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## Technical Skills

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

**Frontend Development:** Vue.js, ReactJS, HTML5, CSS3, TailwindCSS

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

**Cloud & DevOps:** Azure DevOps, AWS (S3, Lambda, Route53, IAM), Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions, GitLab CI)

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

**Machine Learning & AI:** Basic ML models, AI-driven automation

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

**Soft skills:** Strong communication, Problem-solving, Teamwork and collaboration, Adaptability, Attention to detail, Critical thinking, Time management, Ability to learn continuously

## Work Experience

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### Simform Solutions

Dec 2021 - Nov 2023

*Software Engineer*

*Ahmedabad, India*

- Developed scalable backend solutions using **Java and Spring Boot**, improving application performance by **40%**.
- Led frontend UI/UX improvements for internal applications, reducing user friction and **increasing efficiency by 25%**.
- **Enhanced data integrity and performance** by writing efficient queries for SQL and MongoDB, leading to faster and more accurate data retrieval.
- **Automated software processes using Python and Azure DevOps**, streamlining deployment pipelines and **reducing downtime by 30%**.
- **Built internal analytical and automation tools**, optimizing engineering workflows and **improving productivity by 20%**.
- **Conducted code reviews** and enforced best practices, **reducing code-related issues by 75%** and improving maintainability.
- **Collaborated with cross-functional teams** in an agile environment, accelerating product release cycles.

## 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.