

VRAJ SHAH

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Technical Skills

Programming Languages: Kotlin, Java, Go, JavaScript, TypeScript, Python, SQL, C#

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

Cloud & DevOps: AWS (EC2, S3, Lambda, Route53, IAM), Azure, Docker, Kubernetes, CI/CD (Jenkins, GitHub Actions, GitLab CI)

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

Database Management: MS SQL Server, MySQL, Firebase Firestore

Testing & Automation: JUnit, Mockito, Espresso, Selenium WebDriver, Automated Testing, Playwright, Cypress, Pytest, Appium, JMeter

Software Development Practices: Agile (Scrum), Object Oriented Programming, 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

Simform Solutions

Dec 2021 - Nov 2023

Software Engineer

Ahmedabad, India

- **Improved application performance** by developing **scalable backend solutions** using Java and Spring Boot, resulting in a **40% increase in overall user experience** and application responsiveness.
- **Accelerated feature rollouts** by creating **reusable backend components** and adhering to clean architecture principles, which **reduced development time by 30%** and streamlined future feature implementations.
- **Enhanced database performance** by writing **optimized queries for SQL and MongoDB**, improving data retrieval speed and accuracy, resulting in **faster and more reliable data access**.
- **Reduced deployment issues** by implementing **automated CI/CD pipelines using Jenkins and GitLab CI**, resulting in a **25% reduction in deployment failures** and ensuring consistent and reliable deployment processes.
- **Increased code maintainability** by conducting comprehensive **code reviews** and implementing **coding best practices** following **Test Driven Development principles**, which led to a **75% reduction in code-related issues** and improved overall software quality.
- Streamlined bug fixes and new feature releases by **collaborating with cross-functional teams in an Agile environment**, **improving product delivery timelines by 30%** and enhancing collaboration across departments.

Education

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

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.