Vraj Shah

📞 +19029941436 ✉ shahvraj2016@gmail.com in linkedin.com/in/vraj-shah ⌗ github.com/shah-vraj 💼 portfolio 📓 Blog

Skills

Programming Languages: Java, Kotlin, Python, JavaScript, TypeScript, SQL

Frontend Development: Angular, React, HTML5, CSS3, TailwindCSS

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

Cloud & Infrastructure: AWS (EC2, S3, RDS), Azure, Kubernetes, Docker

Database Management: PostgreSQL, MySQL, Firebase Firestore

DevOps & CI/CD: GitHub Actions, GitLab CI, Jenkins

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

Version Control & Collaboration: Git, GitHub, GitLab, Jira

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

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*

- **Developed scalable microservices** using Spring Boot and Node.js, integrating RESTful APIs that **improved application responsiveness by 35%**.
- **Designed and built frontend interfaces** with Angular, enhancing user experience and **reducing page load times by 40%** through optimized state management and lazy loading.
- **Led API development and third-party API integration**, streamlining data exchange between internal services and external partners, **reducing API response time by 25%**.
- **Built and optimized SQL queries** and database schemas for PostgreSQL and MySQL, **improving query performance by 50%** and ensuring efficient data retrieval.
- **Developed and maintained CI/CD pipelines** using GitHub Actions and GitLab CI, **reducing deployment failures by 30%** and accelerating feature releases.
- **Collaborated with cross-functional teams** in an Agile (Scrum) environment, delivering well-documented, maintainable code through rigorous code reviews and unit testing (JUnit, Mockito, Cypress).

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**

- Developed a scalable web application using **ReactJS**, **implementing modular UI components for a seamless user experience**. Integrated lazy loading and performance optimizations, **reducing page load time by 40%**.
- **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.