Vraj Shah

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

Technical Skills

Frontend Development: HTML5, CSS3, JavaScript, TypeScript, ReactJS, Angular, Bootstrap

Web Performance & Optimization: Lighthouse Audits, Lazy Loading, Caching

UI/UX: Figma, Wireframing, Accessibility (WCAG)

Backend: Node.js, Spring Boot (Java/Kotlin), RESTful APIs, C# (Basic)

Databases: MySQL, MongoDB, SQLite, SQL Server, Oracle

Cloud & DevOps: AWS, Firebase, CI/CD Pipelines

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

Soft Skills: Team Collaboration, Problem-Solving, Code Reviews

Work Experience

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%**.
- **Designed and optimized SQL queries for relational databases** (MySQL, SQL Server) to enhance system efficiency.
- Performed Lighthouse audits and **optimized performance** using caching, lazy loading, and code splitting techniques.

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.