# Vraj Shah

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## Professional Summary

Software Developer with 2+ years of experience in native Android and iOS development, proficient in Java, Kotlin, Python, and Swift. Skilled in building scalable applications, optimizing performance, and leveraging tools and frameworks like Git, CI/CD, Springboot, and Node.js. Currently pursuing a Master's in Applied Computer Science at Dalhousie University, with a strong interest in Java based backend, Cloud computing, and digital engineering. Passionate about problem-solving, collaboration, and delivering high-quality software solutions.

## Technical Skills

**Programming Languages**: Python, Java, Kotlin, Swift, SQL, JavaScript

**Software Development**: Object-Oriented Programming (OOP), Agile Methodologies, Version Control (Git, GitHub, GitLab, BitBucket, Azure)

**Backend Development**: RESTful APIs, Spring Boot (Hibernate, MVC, Security), Node.js, Microservices

**IoT & Digital Engineering**: Cloud-based IoT Solutions, Monitoring Tools, Data Processing

**Databases & SQL**: SQL Queries, Stored Procedures, MS SQL Server, MySQL, Firebase

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

**Soft skills**: Strong communication, Problem solving, Teamwork and collaboration, Interpersonal skills, Attention to detail, Critical thinking, Innovation, Ability to learn continuously

## Work Experience

**Simform Solutions** **Dec 2021 - Nov 2023**

*Software Engineer* *Ahmedabad, India*

- Developed scalable and maintainable backend solutions using **Java and Spring Boot**, enhancing system performance and **reducing response time by 40%**, leading to a smoother user experience.
- **Optimized database queries** and designed efficient stored procedures, **reducing query execution time by 50%** and ensuring data consistency across services.
- Refactored legacy codebases by applying **clean coding principles** and **design patterns**, improving **maintainability** and **reducing technical debt by 30%**.
- **Led code reviews** and provided **mentorship to junior developers**, enhancing code quality and **reducing production defects by 25%**.
- **Debugged** and resolved complex **production issues** in Java-based microservices, **reducing downtime by 40%** and ensuring seamless user experience.
- Implemented **RESTful APIs** with robust **error handling** and **logging mechanisms**, improving API reliability and **reducing failure rates by 35%**.
- **Collaborated with cross-functional teams in an Agile environment**, accelerating feature releases by 30% through efficient sprint planning and development.
- **Automated CI/CD pipelines** using **GitHub Actions** and **GitLab CI**, reducing deployment time by 50% and enhancing software delivery efficiency.
- Designed and implemented **unit and integration tests** using **JUnit** and **Mockito**, **increasing test coverage by 60%** and ensuring robust software quality.

## 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.
- Enhanced system security by implementing **JWT-based authentication** and **role-based access control** (RBAC), reducing unauthorized access incidents by 30%.

**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.