Vraj Shah

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Education

Dalhousie University	**Jan 2024 - Sep 2025**
Master of Applied Computer Science — GPA: 4.07/4.3	*Halifax, Canada*
Charusat University	**Jun 2018 - Apr 2022**
Bachelor of Computer Engineering — GPA: 8.7/10	*Gujarat, India*

Work Experience

Simform Solutions — **Dec 2021 - Nov 2023**
Software Engineer | Mobile Application Developer — *Ahmedabad, India*

- Collaborated within Agile teams to design, develop, and deliver scalable Android and iOS applications such as Drone Control, Vring, and OneCloud Connect, impacting over **50,000+ users** and **improving app performance by 40%**.
- Developed and unit-tested components as part of the full **software development lifecycle**, contributing to secure, maintainable codebases with an emphasis on code quality and modularization.
- Implemented **MVVM architecture** and **Clean Architecture design patterns**, increasing **project scalability** and **maintainability** by **30%**, ensuring smooth feature rollouts.
- Actively contributed to cross-functional Agile teams, following **SDLC** and **CI/CD** best practices using **Jenkins** and **GitLab pipelines**, reducing **development cycles by 30%**.
- Conducted **code reviews** and established **coding standards**, decreasing code issues by **75%** and maintaining alignment with **CI/CD practices** using Jenkins and GitLab pipelines.
- Reduced app crash rates by **35%** by adopting rigorous debugging, automated testing strategies, and real-time crash reporting with **Firebase Crashlytics**, **improving user satisfaction** and retention rates.

Projects

ServiceHub | *Source Code* — **ReactJS | Spring Boot (JAVA) | MySQL**

- Built a scalable web application that connected service providers and requesters, resulting in a **20% increase in user engagement**. Collaborated with a team using Agile methodologies to design backend APIs with Spring Boot and integrate front-end components with **ReactJS**.
- Architected a robust backend using **Java Spring Boot** and integrated it seamlessly with **ReactJS**, achieving **99.9% uptime** while facilitating real-time interactions across multi-user workflows for over 1,000 active users.

SpendWise | *APK* | *Source Code* — **Android (Kotlin - Jetpack Compose) | Room Database**

- Developed a **mobile application** enabling users to **track expenses**, categorize spending, and generate insights for improved **financial planning**.
- Ensured **data integrity and security** by leveraging Room database with encrypted data storage, achieving a **95% user satisfaction rate**.

Habit | *APK* | *Source Code* — **Android (Kotlin - XML) | Spring Boot (Kotlin) | MongoDb**

- Developed and deployed a habit-tracking mobile app using **Kotlin** and **Spring Boot**, incorporating user feedback through iterative testing cycles. Collaborated with backend and UI teams to improve design flow, **increasing daily active users by 40%**.
- Engineered a robust **Spring Boot backend** integrated with **MongoDB**, achieving secure data storage and enabling seamless **real-time synchronization** across five different devices for enhanced user experience in habit tracking.

Technical Skills

Mobile Development: Android (Java, Kotlin, XML, Jetpack Compose), iOS (Swift, Storyboard, SwiftUI)

Frontend Technologies: HTML, CSS, JavaScript, ReactJS, AngularJS, Bootstrap, TailwindCSS, Simple CSS

Backend Technologies: Spring Boot (Java/Kotlin), Tomcat, Node.js, RESTful APIs, Test-Driven Development (TDD)

Cloud & DevOps: AWS, Azure, Google Cloud Platform (GCP), Firebase, CI/CD Pipelines, Docker, Kubernetes

Databases: SQLite, MySQL, Oracle, MongoDB, DynamoDB, Room, Realm

Version Control & Collaboration: Git (GitHub, GitLab, BitBucket, Azure), JIRA, ZOHO

Programming Fundamentals: Data Structures and Algorithms (DSA), Multi-threading, Coroutines

Soft Skills: Leadership, Team Collaboration, Analytical, Verbal, and Written Communication