Vraj Shah

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Technical Skills

Mobile Development: Android (Kotlin, Java, Jetpack Compose, XML, Hilt, MVVM, Coroutines, WorkManager, Firebase), iOS (Swift, SwiftUI, UIKit, ARKit, CoreData, Firebase, Alamofire, XCTest)

API & Networking: RESTful APIs, Retrofit, OkHttp, JSON Parsing, Alamofire (iOS), URLSession (iOS), WebSockets, GraphQL (basic).

Cloud & DevOps: AWS, Firebase, Docker, Kubernetes, CI/CD Pipelines (GitHub Actions, GitLab CI/CD)

Testing & Debugging: JUnit, Mockito, Espresso, Firebase Crashlytics, XCTest (iOS)

Version Control & tools: Git, GitHub, Bitbucket, GitLab, Jira, Figma, Postman

Performance Optimization & Architecture: MVVM, Clean Architecture, Memory Optimization, Battery Optimization, App Performance

Microservices: Spring Boot, Node.js, RESTful APIs, GraphQL

Soft Skills: Strong communication, Problem-solving, Teamwork and collaboration, Adaptability, Attention to detail, Critical thinking, Time management, Proactive learning and knowledge sharing

Work Experience

Simform Solutions **Dec 2021 - Nov 2023**

Software Engineer | Mobile Application Developer *Ahmedabad, India*

- Optimized app performance by 40% through efficient memory management techniques, resulting in smoother user interactions and a more stable application experience.
- Increased project scalability by 30% by implementing MVVM and Clean Architecture, enabling faster feature rollouts and reducing developer onboarding time.
- Reduced API response times by 30% by integrating RESTful APIs with Alamofire and URLSession, optimizing data fetching through caching strategies and robust error handling.
- Improved code maintainability by 75% by conducting in-depth code reviews, identifying and resolving critical issues, and mentoring junior developers, enhancing overall team efficiency.
- Increased user engagement by 20% by delivering feature-rich updates weekly in a fast-paced Agile environment, ensuring consistent app improvements and user retention.
- Decreased app crash rates by 35% by integrating Firebase Crashlytics, enabling faster debugging and higher app-store ratings through improved stability.
- Improved app responsiveness by 30% by developing dynamic and scalable UI components in SwiftUI, UIKit, and Jetpack Compose, resulting in a seamless user experience across devices.
- Enabled immersive AR experiences by implementing ARKit (iOS) and PhotogrammetrySession (macOS), allowing users to interact with 3D models in real-world environments.
- Reduced development cycle times by 20% by implementing CI/CD pipelines using GitHub Actions and GitLab CI, automating build and testing processes, and ensuring faster and more reliable deployments.
- Increased app stability by reducing crashes by 35% by writing unit and UI test cases using XCTest, leading to a more reliable and bug-free user experience.

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*

Projects

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

- 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.
- Designed a scalable infrastructure with EC2 Auto Scaling Groups (ASG), Elastic Load Balancer (ALB), and Amazon DynamoDB for high availability and fault tolerance.
- Automated infrastructure provisioning and deployment using AWS CloudFormation, ensuring consistent and repeatable cloud environments, reducing deployment time by 50%.

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

- Achieved 95% user satisfaction by developing an expense-tracking app with a seamless user interface and encrypted data storage via Room Database, allowing users to track finances securely.
- Increased feature adoption by 20% by refining UI/UX design in collaboration with designers, leading to a more intuitive experience based on user feedback.

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

- Boosted user engagement by 40% by building a habit-tracking app with real-time sync and offline storage using MongoDB, ensuring seamless performance even in low-connectivity environments.
- Enhanced app security by 30% by implementing secure backend protocols and ensuring data reliability, leading to increased trust in the app's performance and security.

Eventy | *Source Code* **iOS (Swift) | SwiftUI | Realm**

- Developed an interactive iOS application using SwiftUI and integrated Realm database for efficient local data storage and retrieval, ensuring seamless offline functionality and a smooth user experience.
- Implemented reusable SwiftUI views, MVVM architecture, and Realm database to enhance scalability, maintainability, and real-time data syncing, enabling a clean and modular codebase for future feature integration.