Vraj Shah

 J +19029941436
 ■ shahvraj2016@gmail.com
 linkedin.com/in/vraj-shah
 Q github.com/shah-vraj
 □ portfolio
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Technical Skills

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

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

Cloud & DevOps: Firebase, AWS, 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

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

- Developed and maintained native Android and iOS applications, optimizing app performance by 40% through efficient memory management techniques, resulting in smoother user interactions and improved app stability.
- Enhanced project scalability by 30% by implementing MVVM and Clean Architecture, ensuring maintainable and modular code for seamless feature rollouts and faster onboarding of new developers.
- Improved integration of REST APIs for both Android and iOS applications, reducing API response times by 30% through efficient caching strategies and better error handling across both platforms.
- Participated in code reviews, mentored junior developers, and ensured adherence to best practices for cleaner, more maintainable code, which improved overall code quality by 75%.
- Collaborated with cross-functional teams to design and implement efficient UI/UX workflows, increasing user engagement by 20%.
- Reduced app crash rates by 35% by integrating Firebase Crashlytics for efficient debugging and error tracking, leading to improved app stability and higher app-store ratings.
- Integrated Firebase for real-time synchronization and cross-platform communication between Android and iOS apps, ensuring seamless data exchange and consistency.
- Worked on ARKit (iOS) and PhotogrammetrySession (macOS) to enable AR and 3D model rendering, providing a cutting-edge experience for users to interact with 3D models in real-world environments.
- Implemented continuous integration and continuous deployment (CI/CD) pipelines to automate the build and testing processes for Android and iOS, reducing development cycle times by 20%.
- Enhanced app security by implementing OAuth 2.0 and JWT for secure authentication and data transmission across Android and iOS platforms, leading to improved user trust.

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

 $SpendWise \mid APK \mid Source\ Code$

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 $\mid APK \mid Source\ Code$

Android (Kotlin | XML) | Spring Boot (Kotlin) | MongoDb

- Boosted user engagement by 40% by building a habit-tracking app with real-time synchronization and secure data storage, ensuring a smooth experience across devices.
- 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.

3DModelGenerator | Source Code iOS (Swift, ARKit) | macOS (Swift, PhotogrammetrySession) | Firebase

- Developed an iOS app that captures images for Photogrammetry and communicates with a macOS app via Firebase, enabling the creation of detailed 3D models from sets of images.
- Integrated ARKit in the iOS app to fetch and display 3D models as AR elements, allowing users to place them in real-world environments using the camera feed for an interactive experience.

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.