

VRAJ SHAH

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📁 portfolio

Professional Summary

Mobile Application Developer with **2+ years of experience building scalable, high-performance native Android and iOS applications** using Kotlin, Jetpack Compose, and Swift. Proficient in **clean and maintainable architectures** (MVVM, Clean Architecture), **API integration** (Retrofit, OkHttp), and **automated testing** (JUnit, Mockito, Espresso). Passionate about collaborative development, product ownership, and creating seamless mobile experiences.

Work Experience

Simform Solutions

Dec 2021 - Nov 2023

Software Engineer | Mobile Application Developer

Ahmedabad, India

- **Optimized app performance by 40%** through efficient memory management and UI rendering enhancements, resulting in a smoother user experience and fewer ANR crashes.
- **Improved code scalability by 30%** by implementing MVVM and Clean Architecture, allowing for faster feature rollouts and easier developer onboarding.
- **Reduced app launch time by 25%** by refactoring API calls with Retrofit & OkHttp, leading to improved user retention.
- **Lowered crash rates by 35%** by integrating Firebase Crashlytics for real-time monitoring, enabling proactive issue resolution and higher app-store ratings.
- **Increased development speed by 30%** by creating 10+ reusable UI components, reducing redundant code across multiple projects.
- **Enhanced user engagement by 20%** by integrating Stripe, Firebase Analytics, and IoT SDKs, expanding app functionality and in-app monetization.
- **Reduced deployment failures by 50%** by automating CI/CD pipelines using GitHub Actions and GitLab CI, ensuring seamless production rollouts.
- **Decreased code defects by 75%** by implementing unit and UI tests (JUnit, Mockito, Espresso), improving code reliability and maintainability.
- Mentored 5+ junior developers, **leading to a 20% increase in team efficiency** through technical sessions and knowledge-sharing initiatives.

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 | APK | Source Code

Android (Kotlin | Jetpack Compose) | Room Database

- **Increased user satisfaction to 95%** by designing an intuitive expense-tracking app, providing real-time financial insights and secure encrypted data storage.
- **Boosted feature adoption by 20%** by refining UI/UX components through user feedback and iterative design improvements.

Habit | APK | Source Code

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

- **Improved user engagement by 40%** by implementing real-time progress tracking, ensuring a seamless habit-forming experience.
- Enhanced data security and reliability by integrating MongoDB with encrypted storage, **reducing data corruption risks**.

SleepTracker | Company project

Android (Kotlin | Jetpack Compose) | Hilt | Firebase Firestore

- **Improved sleep efficiency by 25%** by developing an AI-driven sleep monitoring app that tracks sleep cycles and suggests optimized bedtime routines.

- Enhanced real-time insights by integrating Firebase Firestore and ML Kit, enabling **smart notifications based on sleep patterns**.
- **Reduced API response time by 40%** by optimizing Retrofit and coroutines, leading to faster analytics visualization.

Blog

Building a Room Scanning App with the RoomPlan API in iOS

Guide to Integrate the RoomPlan API into Your iOS App. Learn how to implement RoomPlan API in your application in two different ways. Also, learn how to get an attractive custom 3D model out of the static 3D model generated by RoomPlan.

Link: Medium

Technical Skills

Mobile Development

Android - Kotlin, Java, XML, Jetpack Compose

iOS - Swift, SwiftUI, Storyboard

Mobile Architecture - MVVM, Clean Architecture, Hilt

API Integration - Retrofit, OkHttp

Software Engineering & Tools

Testing - JUnit, Mockito, Espresso

CI/CD & DevOps - GitHub Actions, GitLab CI, Firebase Crashlytics

Version Control - Git (GitHub, GitLab, BitBucket)

Cloud Services - AWS, GCP, Firebase Firestore, FCM

Multithreading & Coroutines

Soft Skills

Strong Communication

Team Collaboration

Adaptability

Problem-Solving