

ADITYA R. SIMANT

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Summary

Results-driven Android Software Engineer with hands-on experience in building scalable mobile architectures and optimizing Android app performance. Spearheaded development of offline-first systems, achieving faster load times and improved maintainability. Adept at collaborating cross-functionally to deliver user-centric solutions with measurable performance gains.

Education

Deogiri Institute of Engineering and Management Studies

Sep. 2020 – Aug. 2024

Bachelor of Technology (B. Tech.) in EnTC

Work Experience

Metapointer Labs

Jul 2024 – present

Software Development Engineer

Hyderabad, IND

- Engineered an **advanced state management system** utilizing **MVVM** architecture with shared ViewModels, implementing **custom Flow operators** and **offline-first architecture** with robust error handling mechanisms.
- Developed a **modular Compose-based design system** with reusable components, implementing complex gesture handling and custom animations while collaborating closely with product and design teams.
- Optimized app performance through **Flow-based reactive queries** with Realm DB, efficient data migration strategies, and **improved startup time** resulting in enhanced user experience.
- Implemented comprehensive app architecture using **Kotlin Coroutines and Flow**, featuring **reactive data synch** patterns and **custom caching solutions for robust data management**.

Software Development Intern

Jan 2024 – Jul 2024

- Developed and executed a comprehensive plan to optimize the mobile platform, utilizing cutting-edge technologies such as **Jetpack Compose** and Kotlin, resulting in a 40% increase in app speed and performance.
- Led the implementation of a new application architecture (MVVM) that enhanced user experience and worked on a variety of features such as **push notifications, crash management, and user analytics** with REST APIs.
- Azure DevOps, Sentry, and AWS** to streamline version control, CI/CD, bug monitoring, and automated testing for high-quality cross-platform releases.
- Implemented a **robust payment solution** by integrating SDK and handling complex WebView based payment flows, offering multiple payment options and significantly enhancing **user experience** and **transaction reliability**.

Projects

PropToll Android | *Kotlin, Jetpack Compose, MVVM, Realm DB, StateFlow*

- Modernized app using Jetpack Compose and Kotlin, boosting speed by 40% and cutting size by 80%.
- Integrated Dagger Hilt, StateFlow, and WorkManager for scalable architecture.
- Enabled CCAvenue payments, push notifications, crash reporting, and user analytics via Firebase and REST APIs.

DigiLikhat App | *Java, Kotlin, LiveData, Data Binding, Room, WorkManager*

- Built a secure exam app using Java, Room DB, LiveData, and Data Binding for real-time handwritten input capture.
- Used WorkManager to ensure reliable background sync and offline data recovery.
- Optimized stroke data handling with compression, managing 20+ pages of exam content.

Skills

Core Technologies: Kotlin, Jetpack Compose, Java, Android SDK, Android Development, Data Structures, Algorithms

Architecture: MVVM, Coroutines, Kotlin Multiplatform, Data Binding, View Binding, object-oriented programming

Data & Networking: RESTful API, Retrofit, Room, WorkManager, LiveData, StateFlow, Interceptor

Development Tools: Dagger Hilt, XML, SQL, Gradle, Mobile Development, Version Control Systems