

Mohd. Ibrahim Iqbal

Senior Mobile Engineer · Mobile Team Lead

Android (Kotlin, Jetpack Compose) · Flutter · Team & Delivery Leadership

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6+ years shipping production Android + Flutter · 5 apps live · leads a 4-dev mobile team

End-to-end delivery: architecture, CI/CD, Play Console + App Store Connect

Professional Summary

Senior Mobile Engineer and hands-on tech lead with 6+ years shipping production-grade native Android and cross-platform Flutter applications to Google Play Store and Apple App Store. Skilled across both stacks: Kotlin, Java, Jetpack Compose, Android SDK, MVVM, Coroutines, and Room on native Android; Flutter, Dart, BLoC / Provider state management, and offline-first architecture on cross-platform. Lead Flutter Developer and Project Manager for the Young Engineers product suite (ClassWise, BuildWise, WAV-Tech) and sole Android developer of ReplyMind AI (Kotlin, Jetpack Compose, cloud LLM, Play Billing). Lead a 4-dev mobile team and own end-to-end mobile delivery: architecture, REST API integration, Firebase, AWS deployment, CI/CD pipelines (CircleCI), release management, and mentoring developers on performance, clean architecture, and code quality.

Technical Skills

Native Android: Kotlin, Java, Jetpack Compose, Android SDK, XML Layouts, MVVM, MVI, Room, Retrofit, OkHttp, Coroutines, Flow, LiveData, ViewModel, WorkManager, Hilt / Dagger, Navigation Component

Cross-Platform (Flutter): Flutter, Dart, Flutter Web, Material Design, Cupertino, Responsive UI, Platform Channels, Method Channels, Isolates, Async/Await, Streams, Futures, Offline-first Architecture

State Management (Flutter): BLoC, Cubit, Provider, Riverpod, GetX, ChangeNotifier

Programming Languages: Kotlin, Java, Dart, JavaScript, HTML5, CSS3

Backend, APIs, and Cloud: Firebase, Cloud Firestore, Firebase Authentication, Firebase Cloud Messaging (FCM), Crashlytics, Google Analytics, REST APIs, GraphQL, JSON, Dio, Retrofit, AWS (EC2, S3, VPC), Docker, Laravel, Stripe, OneSignal, Google Play Billing, In-App Purchases

AI and Machine Learning: Cloud LLM Integration, Generative AI, Prompt Engineering, On-device AI

Testing and Quality: JUnit, Mockito, Espresso, Unit Testing, Widget Testing, Integration Testing, Test-Driven Development (TDD), Code Review

DevOps, CI/CD, and Release: Git, GitHub, CircleCI, Fastlane, Docker, Google Play Console, App Store Connect, TestFlight, Firebase App Distribution, Semantic Versioning, Staged Rollouts

Architecture and Practices: Clean Architecture, MVVM, MVI, Repository Pattern, SOLID Principles, Design Patterns, Dependency Injection, Agile, Scrum, Sprint Planning, Mentoring, Hiring

Web and Frontend: React, React.js, HTML5, CSS3, JavaScript

Tools and IDEs: Android Studio, IntelliJ IDEA, VS Code, Xcode, Firebase Console, Postman, Figma, Jira

Professional Experience

Senior Mobile Engineer · Lead Android & Flutter Developer · Project Manager

Jamtech Technologies Pvt. Ltd., Lucknow, India · January 2024 – Present

- Sole Android engineer and Project Manager for ReplyMind AI. Built the end-to-end native Android application in Kotlin and Jetpack Compose with cloud LLM integration, Play Billing subscriptions, Firebase backend, and a React admin dashboard — from proof of concept to production release.
- Lead cross-platform Flutter delivery for the Young Engineers product suite (ClassWise, BuildWise, WAV-Tech), shipping iOS, Android, and Flutter Web from a single Dart codebase and maintaining feature parity across all three targets.
- Architect applications on both stacks using Clean Architecture, MVVM, Repository pattern, and dependency injection — Hilt on Android, BLoC and Provider on Flutter.
- Drove substantial startup time and screen-load performance improvements on ClassWise through widget-tree optimization, deferred initialization, and image caching.
- Own end-to-end mobile delivery including REST API integration with Laravel backends, AWS EC2 deployment, and CircleCI continuous integration and release pipelines to Google Play Console and App Store Connect.
- Lead a 4-developer mobile team: sprint planning, hiring, onboarding, technical growth, code reviews, and mentoring on Android and Flutter architecture patterns, performance profiling, and clean code practices.

Android and Flutter Developer

Jamtech Technologies Pvt. Ltd., Lucknow, India · January 2022 – December 2023

- Built the BuildWise learning companion in Flutter with an offline-first architecture using SQLite and Hive local storage, enabling lessons, video playback, and quizzes to function without connectivity and reconcile automatically on reconnect.
- Contributed to WAV-Tech by integrating high-resolution ClipLens hardware capture via platform channels, AI-assisted authenticity checks, and structured reporting for remote watch verification.
- Introduced a reusable Flutter widget library and scalable feature-based folder structure that accelerated new project scaffolding across the team.
- Migrated legacy Android XML screens to Jetpack Compose, improving rendering performance and reducing UI code by roughly half on low-end devices.
- Integrated Firebase Cloud Messaging (FCM) for push notifications and Firebase Crashlytics for real-time crash reporting.

Android Developer

Jamtech Technologies Pvt. Ltd., Lucknow, India · January 2020 – December 2021

- Shipped native Android features in Kotlin for internal B2B and consumer-facing production applications following MVVM and Repository patterns with Room, Retrofit, Coroutines, and Flow.
- Integrated third-party SDKs including payments, analytics, and maps, and built Retrofit-based API contracts in collaboration with backend engineers.
- Wrote unit tests with JUnit and Mockito to cover business logic and repository layers.
- Contributed to release cycles on Google Play Console including versioning, staged rollouts, and crash monitoring via Firebase Crashlytics.

Key Projects

Colossians Cleaning Service — Service Marketplace (iOS + Android)

Lead Flutter Developer · Flutter, OneSignal, REST APIs, Push

- Service marketplace connecting clients with cleaners — dual-role dashboards, job lifecycle with real-time check-in and check-out, payouts, staff onboarding with document verification, and in-app chat.
- Shipped iOS and Android from single Flutter codebase with OneSignal push notifications and real-time status updates.
- Live: [Play Store](#) · [App Store](#)

ReplyMind AI — AI-Powered Messaging Assistant for Android

Sole Developer and Project Manager · Kotlin, Jetpack Compose, Cloud LLM, Firebase, Play Billing, React

- Took the application from scratch through proof of concept and minimum viable product to production release.
- Built the end-to-end native Android application in Kotlin and Jetpack Compose, integrating cloud LLMs for on-device automation, Firebase backend, Play Billing subscriptions, and a companion React web admin dashboard for operations and analytics.
- Delivered multi-language support and a redesigned onboarding flow that improved user activation and retention.
- Live: [Play Store](#)

ClassWise — Operations Product for Education Programs

Lead Flutter Developer and Project Manager · Flutter, Dart, BLoC, Laravel, REST APIs, AWS EC2, CircleCI, Firebase

- Manages classes, instructors, finances, and lesson delivery for Young Engineers programs across multiple regions.
- Built cross-platform iOS, Android, and web releases from a single Flutter codebase using BLoC state management and a shared design system.
- Delivered substantial startup and screen-load-time improvements through lazy loading, image caching, and widget-tree optimization.
- Owned end-to-end delivery: architecture, REST API integration with Laravel backend, AWS EC2 deployment, and CircleCI release pipelines.
- Live: [Play Store](#) · [App Store](#)

BuildWise — Offline-First Learning Companion

Lead Flutter Developer and Project Manager · Flutter, Dart, SQLite, Hive, Offline-First Architecture, AWS, CircleCI

- Offline-first Flutter learning companion where lessons, video, and quizzes work without connectivity and reconcile automatically when devices reconnect.
- Designed the local persistence and sync layer using SQLite and Hive with conflict-resolution logic for background reconciliation.
- Built for students on unreliable networks to ensure uninterrupted learning experiences on both iOS and Android.
- Live: [Play Store](#) · [App Store](#)

WAV-Tech — Remote Watch Authenticity Verification

Lead Flutter Developer and Project Manager · Flutter, Dart, Platform Channels, Docker, AWS EC2, REST APIs

- Remote watch authenticity verification platform with hardware-grade ClipLens capture, integrated via Flutter platform channels, and AI-assisted checks against a watch database.
- Delivered structured authenticated reports within hours of submission.
- Dockerized deployment on AWS EC2 for reliable production hosting.
- Live: [Play Store](#) · [App Store](#)

Glo Connect — eSIM Marketplace (In Build)

Lead Flutter Developer · Flutter, GetX, Stripe, Firebase Realtime DB, OneSignal

- eSIM marketplace — browse plans by country, Stripe checkout via `flutter_stripe`, live eSIM profile installation, real-time support chat over Firebase RTDB, OneSignal push notifications.
- GetX feature-modular architecture. Currently in build, launching soon.

Open Source Contributions

- [kiwix-android](#) — Fix: stop status-bar icon flickering during downloads ([PR #5005](#))
- [pocket-casts-android](#) — Fix: use activity window for status bar icons in dialog fragments ([PR #5704](#))
- [RetroMusicPlayer](#) — Fix: read title from file metadata when MediaStore mangles emoji ([PR #2030](#))

Active contributor across Kiwix, Automattic, Flutter, Thunderbird, Meilisearch, and RetroMusic organizations.

Education

Bachelor of Technology (B.Tech), Information Technology

Goel Institute of Technology and Management, Lucknow, India · 2020 – 2023

Diploma, Information Technology

Sevdie Institute of Management and Technology · 2016 – 2019

Certifications

Android App Development Course

Softpro India Computer Technologies (P) Ltd. · Issued January 2020

Languages

English (Professional Working Proficiency) · Hindi (Native)