Moin Omer Habib

Senior Android Engineer · Kotlin & Jetpack Compose
Clean Architecture · Coroutines/Flow · Cross-Platform Experience

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PROFILE

Senior Android engineer with **10 years** of experience building and modernizing native Android apps used by **5M+ users**. Led the edX app from Java/XML to Kotlin and Jetpack Compose (2020–2025), raising crash-free users from 80% to 99.2%+. Now leading a 12-member team on Arbisoft's own product.

EXPERIENCE

Senior Mobile Engineer — Arbisoft Global · Remote — Aug 2017 – Present

Schoolgram (Arbisoft product) · Mobile & Backend Lead — Sep 2025 – Present

- Lead a **12-member team** building Arbisoft's own learning product, with Android and iOS apps for schools and families; own architecture, API contracts, code review and releases.
- Created an **AI-assisted delivery workflow** (plan, build, review, test, release) that keeps **monthly releases** smooth.

edX / Open edX Android · Lead Android Engineer — Jul 2020 – Aug 2025

- Modernized the app from **Java/XML to Kotlin and Jetpack Compose** with Clean Architecture, MVVM and Hilt; split it into feature modules to cut Gradle build times.
- Raised **crash-free users from 80% to 99.2%+** and optimized cold-start time through profiling, defensive recovery and targeted refactoring.
- Ran **A/B tests** and controlled-audience rollouts with **feature flags**; GitHub Actions CI/CD and staged releases cut deployment time by **40%**.
- Hardened release builds with **ProGuard/R8** for smaller APKs and code obfuscation.
- Delivered Play Billing, SSO, deep links, notifications, discussions, calendar sync, video and Chromecast, offline WebView with JS bridges and RTL support, in an 11-member cross-team group.

Android client projects

- **McKinsey & Company** (Aug 2017 – Dec 2018): Android app feature delivery, reliability and releases.
- **Cheetay Delivery**: Java-to-Kotlin revamp with MVVM, RxJava and Hilt; real-time tracking and payments for 2M+ users.
- **CERP Survey**: offline-first field app with Room, Retrofit and background sync to AWS S3 for 500+ field agents.
- **Sentimeter Kiosk**: single-app kiosk mode with remote config, Firebase logging and offline sync.

Android Developer — Tecjaunt · Lahore · Java apps, REST APIs, Play releases — Aug 2016 – Aug 2017

SKILLS

Android	Kotlin, Java, Android SDK, Jetpack Compose, Material 3, WorkManager, Play Billing
Architecture & data	Clean Architecture, MVVM/MVI, modularization, Hilt/Dagger, Coroutines/Flow, Room, Retrofit
Testing & quality	JUnit, MockK, Espresso, Compose UI and screenshot tests, Android Profiler, LeakCanary
Delivery & monitoring	GitHub Actions, Play Console, staged rollouts, Firebase Crashlytics and Analytics
Also	React Native, Ionic/Angular, PHP and Node.js APIs, AI-assisted development

PROJECT

AI-Assisted Mobile Engineering Playbook – 7 reusable agent skills for planning, API contracts, review, testing and debugging.

EDUCATION, CERTIFICATIONS & LANGUAGES

BS Information Technology, University of the Punjab — 2012 – 2016

Hugging Face AI Agents (2026) | Google Android Accessibility (2024) | Jetpack Compose (2023)

English – professional working proficiency | Urdu – native