

KUSHAL SHARMA

Android Engineer · Kotlin & Jetpack Compose · Open to relocation and remote

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PROFESSIONAL SUMMARY

Android engineer building production fintech in Kotlin and Jetpack Compose, shipping a multi-role super-app across wallet, payments, KYC and trading to a 1,000+ user closed-testing cohort. Cut release size from 350+MB to under 110MB and halved the crash rate by moving a legacy Activity/Fragment codebase to modular Clean Architecture with MVI, Hilt and R8. Owns features end to end from design through Play Store release on-device KYC liveness, WebSocket wallet, precious-metals trading with a self-published Android app live on Google Play.

EXPERIENCE

SDLC Corp

Jul 2025 – Jul 2026

Kotlin Developer · Remote

OMNIA - a multi-role fintech super-app for consumers, merchants and distributors: e-wallet and transfers, merchant POS approvals, in-app chat with payments, KYC onboarding, a multi-tier commission network, and gold/precious-metals trading, shipped in English, French and Chinese.

- Rebuilt legacy Activity/Fragment screens into a modular, Compose-first Clean Architecture with MVI and Hilt, **shrinking the release build from 350+MB to under 110MB** via R8, resource shrinking and asset cleanup.
- **Reduced crash rate ~50%** by profiling in Android Studio Profiler and triaging Crashlytics to eliminate jank, navigation and Activity-lifecycle failures across low-end and current-gen devices.
- **Owned identity onboarding end to end:** on-device document-quality gating (blur, glare, brightness, face coverage) and active liveness (blink, smile, head-turn) with ML Kit and CameraX, instrumented to cut funnel drop-off.
- **Delivered the gold and precious-metals trading surface** live pricing, price-lock, order placement, portfolio dashboard and passcode checkout adding a new in-app revenue stream to the super-app.
- Delivered **real-time wallet balance over WebSocket** with Paging 3 transaction history, behind a centralized connectivity layer (ConnectivityManager + BroadcastReceiver) validated across a 1,000+ user closed-testing cohort.
- Contributed **delivery/read receipts, group management, chat sessions and in-chat payments** to the Socket.IO messaging module, de-duplicating socket and FCM events against Room for offline consistency.
- Integrated **AI-assisted development tools (Claude, Cursor, GitHub Copilot, Codex etc) into daily workflow to accelerate** code review and debugging cycles, while maintaining code quality through manual verification and testing standards.

Codeup

Aug 2024 – Feb 2025

Android Developer · Jaipur, Rajasthan

Client Android delivery alongside an in-house developer training programme.

- **Cut registration completion to under 15 seconds** and reduced sign-up abandonment by owning end-to-end delivery of a registration product with client-side validation, tested across low-end and current-gen devices.
- Mentored 30+ students through structured Java, OOP and DSA sessions, reviewing their code until several shipped their first working Android projects.

PROJECTS

Loudly — Offline Multi-Device Audio Streaming

- **Synchronised audio playback across multiple phones to within ~68ms of drift with zero internet dependency**, building an NTP-inspired clock-sync layer over ExoPlayer with session-based device discovery over local Wi-Fi/Bluetooth.
- Kept playback aligned across mismatched hardware by **measuring and compensating 20–250ms of per-device audio latency**, smoothing clock estimates with an EWMA filter and a jitter buffer instead of hard re-seeks.

Ting — Interval Timer & Smart Reminder

[Google Play Store](#)

- Shipped an **offline-first productivity app** with configurable interval timers, a Jetpack Glance home-screen widget, and Foreground Service-backed exact-alarm scheduling that fires reliably through Doze and OEM battery restrictions.

TECHNICAL SKILLS

Functional Competencies: Jetpack Compose UI Architecture | State Management | Clean Architecture | MVI/MVVM | REST API Integration | SOLID Asynchronous & Reactive Programming | Reusable UI Components | Performance Optimization | Secure Mobile Development | Offline-First Design | Material Design & Animations | Feature Ownership | Code Review | Release Management & Play Store Deployment | Debugging & Crash Triage | Cross-Functional Collaboration | Agile/Scrum | Localisation (i18n)

Technical Tools: Kotlin | Java | Jetpack Compose | XML Views | Coroutines | Flow/StateFlow | Hilt | Dagger | Koin | Navigation | Room | DataStore | Paging 3 | WorkManager | Jetpack Glance | Retrofit | Ktor | OkHttp | WebSocket | Socket.IO | FCM | ML Kit | CameraX | ExoPlayer | Coil | Gradle | R8/ProGuard | Git | GitHub Actions | Firebase | Crashlytics | Sentry | Android Studio Profiler | Charles Proxy/Chucker | KMP

EDUCATION

Rajasthan Institute of Engineering & Technology

Aug 2020 – Jun 2024

B.Tech, Computer Science · CGPA: 8.0