FAISAL AHMED

Senior Android Engineer / Mobile Architect
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SUMMARY

Senior Android Engineer / Mobile Architect with 8+ years building consumer apps and SDKs at scale, most recently on Binance's ~500K-DAU in-app messaging and before that as mobile tech lead at Springchat, shipping SDKs on Android and iOS for 1M+ users. Strong in app and SDK architecture, real-time systems, performance and release reliability, with experience growing and leading an Android team of up to 8 engineers. Deep expertise in Kotlin, Jetpack Compose, Kotlin Multiplatform and performance-critical Android, plus hands-on AI-assisted development with Claude Code, Codex and custom coding agents.

EXPERIENCE

Binance — Remote

Android Architect — Chat | Mar 2026 – Oct 2026

Chat team behind Binance's in-app messaging (~500K DAU).

- **Led Android on a 1-month, high-priority rebuild of Binance's core chat**, driven by user feedback on X; the relaunch **increased engagement with KOLs and influencers** in a channel driving **tens of millions of USD in GMV**.
- **Extracted chat into a reusable SDK module** with a new caching layer, consumed by other product teams across the Binance app.
- Integrated a **multi-tier content-moderation service** (rules, ML and LLM) across **8 user-content surfaces**, from 1:1, group and P2P trade chat to red packets and media.
- Built **backend admin APIs** for moderation (blocking users, disbanding groups) and event reporting to the **observability dashboard**.
- Shipped **20+ features (150+ merged PRs)** in 7 months on a 3-week cadence across Android, iOS and web, including drafts, VIP support flows and faster media sending.
- Raised crash-free rate **from 98.7% to 99.2%**; contributed to a shared **KMP** analytics library.
- Built an **overnight agent pipeline turning Crashlytics crashes into hotfix PRs** (several merged) and a **multi-model PR review on CI** used by the Android chat team.
- Wrote **agent skills** for screenshot-to-code lookup, Compose stability and Perfetto analysis, **cutting team token use 50%+**; productive in the codebase **within 2 weeks**.

Springchat — UK (Remote)

Mobile Tech Lead (Android & iOS) | Aug 2022 – Feb 2026

UK-based startup building enterprise-ready chat & gamification SDKs for live sports.

- Architected and built a production-grade **real-time chat SDK on Android and iOS** for **3 enterprise clients** with a collective reach of **1M+ users**; owned iOS SDK release reviews.
- Achieved **sub-100ms message delivery** via tuned WebSockets, concurrency and background sync.
- Reduced client **integration time by 40%** with a Compose/MVVM architecture and thorough SDK docs.
- Reduced **build and release times by 50%** with GitHub Actions CI/CD and Gradle optimizations.
- Hardened the SDK with ProGuard/R8 and secure token handling, eliminating reported vulnerabilities and **reducing bug rates by 30%**.
- Built **agent-driven PR-review and release-check workflows** (review prompts, baselines, second-model review) to catch regressions before merge.

Supershare (Quiph Media Pvt Ltd) — Bengaluru, India

Junior Engineer → Software Engineer → Team Lead, Android | Jan 2018 – Jul 2022

Series A startup — QTalk (telephony app) → Supershare/Jam (content sharing & co-watching)

- Led Android team growth from **3 to 8 engineers**, establishing hiring processes, running technical interviews, and mentoring juniors into senior roles.
- Early adopter of **Jetpack Compose** (100% Compose UI for new features); introduced MVVM, Hilt and CI/CD, **boosting developer productivity by 35%**.
- Owned real-time messaging architecture and built real-time features for Jam (co-watching) on **WebSocket and Firebase RTDB with sub-200ms state sync**.

- Cut call-screen wake-up time from **>1s to <300ms (70%)** via view-hierarchy optimization and lazy inflation; sustained a **99.9%+ crash-free rate** across millions of sessions.
- Open-sourced **RecyclerViewFastScroller** (700+ GitHub stars) for high-performance list scrolling.

SKILLS

Languages & Frameworks: Kotlin, Java, Jetpack Compose, Kotlin Multiplatform (KMP), Coroutines, Flow, Retrofit, Room, Hilt, ExoPlayer, WebRTC

AI-Assisted Engineering: Claude Code, OpenCode, Codex CLI, agent harness design (CLAUDE.md/AGENTS.md, skills, hooks, subagents, MCP), automated PR-review and bug-fix agents, context and token optimization, prompt engineering, verification loops

SDK & Architecture: MVVM, MVI, Clean Architecture, Modular SDK Design, Dependency Injection, Server-Driven UI, Multi-module Systems

Performance & Concurrency: WebSockets, Caching, Offline Sync, Profiling, Background Services, Low-Latency Networking

Build & CI/CD: Gradle, Git, GitHub Actions, Bitrise, Jenkins, Maven, Dependency Graph Management

Testing & Quality: JUnit, Espresso, MockK, Maestro, LeakCanary, Performance Benchmarking

Monitoring & Security: Firebase, Crashlytics, Sentry, Secure Storage, Obfuscation (ProGuard/R8)

PROJECTS

Smart Gallery — On-device photo cleaner in Kotlin Multiplatform: one SigLIP2 (LiteRT) pass per photo groups duplicates and labels scenes; the Android app ships with no INTERNET permission.

Kyklos — Open-source subscription tracker, 100% shared Compose Multiplatform UI (Android, iOS).

RecyclerViewFastScroller — Open-source Kotlin library from Supershare; 700+ GitHub stars.

SpringchatApp & SDK — Live demo app for the Springchat SDK; enterprise client apps are under NDA.

More projects at faisalahmed.dev — real-time voice AI, full-stack web apps and production bots.

CERTIFICATIONS

Jetpack Compose & Internals - by Jorge Castillo • Android Developer Nanodegree Scholarship Program (2018) - Udacity

EDUCATION

Bachelor of Technology (CSE) | SRM University, Haryana | 2014 – 2018 | 9.2 GPA