

ZARYAB SHAKIR

Senior Android Engineer | Kotlin | Jetpack Compose | AI-Assisted Development | Payments & Banking

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Valid German residence permit - no sponsorship required | Available immediately

PROFESSIONAL SUMMARY

Senior Android Engineer with **8+ years** of native Android in **Kotlin** (**3+ leading Android and iOS squads**), building payments and banking apps with **10M+ and 1M+ downloads**. Known for stability (**crash-free users 93% to 98%**), faster builds (**15-20 to 7-8 min**) and end-to-end ownership of secure payment and identity features. Uses **Claude Code** and **GitHub Copilot** daily, plus **OpenAI Codex**, for AI-assisted development: custom agents and skills, AI-assisted PR reviews and automation, with every change verified by code review and tests.

PROFESSIONAL EXPERIENCE

Lead Android Developer | Comera LLC

01/2025 - 09/2026 | Abu Dhabi, UAE

UAE calling and messaging app (10M+ downloads) with embedded payments and digital banking as Comera Pay.

- Raised **crash-free users 93% to 98%** and **ANR-free users 90% to 99%** on a 10M+ download app by fixing architecture flaws, misused libraries and null-safety gaps; triaged in **Sentry**.
- Led a **four-engineer Android and iOS squad**; **hired 3 engineers** and **mentored one to promotion**; ran sprint planning, code-review guidelines and architecture decisions.
- Delivered **Google Pay** end to end across transfers, bill payments and cards, and integrated the **TAMM SDK**, making Comera Pay a payment method for **Abu Dhabi government fees**.
- Replaced an error-prone onboarding journey by shipping **UAE PASS** digital-ID sign-in and re-integrating **uqudo KYC**.
- Rebuilt **secure token storage and exchange**, ending recurring forced logouts and stuck payments; owned **app-shielding**, and every release passed the vendor's penetration test with **no critical findings**.
- Sustained a **monthly release cadence** with **SIT and UAT** kept stable for sign-off, while cutting **build times ~30%** (Gradle profiling) and raising **unit-test coverage to 90-95%** on refactored code.
- Built **Claude skills** for our Android modules that the team adopted as internal tools; every AI-assisted change reviewed and tested.

Senior Android Developer (squad lead from 2023) | Abu Dhabi Islamic Bank (ADIB)

06/2021 - 01/2025 | Abu Dhabi, UAE

One of the UAE's largest banks; ADIB Mobile Banking: 1M+ Google Play downloads.

- Chose **incremental modularisation over a rewrite** for a large legacy banking codebase (mixed MVP, MVC, MVVM and MVI), cutting **build times 15-20 to 7-8 min** (2-3 min cached) with **no pause in feature delivery**.
- From **2023**, led the **Branch Services squad** (Android and iOS): code reviews, technical decisions, mentoring and delivery; recognised as **"Squad Hero"**.
- Drove **secure second-device registration** to production by sequencing work across **mobile, CIAM and backend** teams, an auth flow none of them could ship alone.
- Shipped **Dubai Police fine payments** and **authenticated account statements** to a **1M+ download** banking app.
- Worked with **product owners, UI/UX designers and QA** from sprint planning and Figma handoffs to quality sign-off and **release support** in a regulated bank.
- Released features behind **feature flags and A/B tests** via a remote config API, so banking changes could be staged safely.
- Repeatedly brought unstable **SIT and UAT** environments back to a working state, coordinating with backend, core-banking and QA teams so release testing could continue.
- Took charge of **critical production incidents**, coordinating fixes across backend, core-banking and identity teams under regulated-banking constraints.

Android Developer | Ilsa Interactive

09/2018 - 05/2021 | Lahore, Pakistan

Software services company building consumer, fintech and crypto apps for European and US clients.

- Shipped production apps in **Android, Flutter and Kotlin Multiplatform** for European and US clients, including the **Fayvo** social app (**real-time chat and notifications**), on a **multi-module Android architecture**.
- Migrated the **Coinam** Bitcoin wallet, inherited from a European team, incrementally from **Java to Kotlin**; delivered further **crypto wallet, exchange and token-platform** apps.
- Built **Kotlin and JNI/NDK bindings** over C/C++ cryptographic libraries (BIP39, BIP32, secp256k1) with secure key handling.
- Set up **CI/CD** for mobile releases, cutting manual release overhead for the team.

TECHNICAL SKILLS

Android: Kotlin, Java (Java-to-Kotlin migration), Android SDK, Android lifecycle, Android Studio, Jetpack Compose (custom UI components, shared design system), Material Design 3, Kotlin Coroutines, Kotlin Flow (reactive programming, concurrency and multithreading), Room, DataStore, WorkManager, Compose Navigation, Paging, offline-first caching, usability and accessibility, adaptive UIs from Figma designs, UX design and prototyping (Figma)

AI-assisted development: Claude Code, Claude, GitHub Copilot and OpenAI Codex as daily AI coding tools; custom AI agents and Claude skills adopted by the team; AI-assisted PR reviews; automating repetitive work; every AI change reviewed and tested

Architecture & code quality: Clean Architecture, MVVM, MVI, design patterns, SOLID, modular multi-module architecture (Gradle), scalable app architecture and scalability, dependency injection (Dagger/Hilt, Kodein; working knowledge of Koin), clean code, testable code, maintainable code, technical design, technical documentation

Testing: Unit testing, integration testing and UI testing (JUnit, Mockito, Espresso, Turbine; working knowledge of MockK), automated testing, TDD, code reviews (four-eyes principle), refactoring, SonarQube, quality assurance with QA engineers

Data & networking: REST APIs (JSON), OkHttp/Retrofit, gRPC, Ktor, backend integration and interfaces, push notifications

Performance & monitoring: Performance optimization, performance tuning, crash and ANR reduction, build optimization, production monitoring and observability (Sentry, Firebase Crashlytics, New Relic), Firebase Analytics, data-driven product decisions

Build & release: Git, GitLab CI/CD, Jenkins, Fastlane, Docker, Gradle, release processes, Play Store releases (Play Console), feature flags, A/B tests, Firebase Remote Config

Security & payments: Mobile security and cryptography: app-shielding, code obfuscation, root/Frida detection, certificate pinning, Android Keystore, AES, secure token storage; Google Pay, card tokenization, UAE PASS digital identity, KYC

Cross-platform: Kotlin Multiplatform (KMP, self-driven apps), Flutter/Dart, SwiftUI interop; C++ via JNI/NDK

Ways of working: Agile (Scrum, Kanban), end-to-end ownership from idea to launch, squad lead (3-4 engineers), hiring, coaching and mentoring, clear communication with product managers, product owners and UX designers (Figma), regulated banking and payments, stakeholder and vendor management, incident management

Languages: English (fluent), German (A1, actively learning)

PROJECTS & OPEN SOURCE

FilmKu (Flutter, open source) – Movie app on Clean Architecture with Riverpod, TMDB API and Isar offline cache; **107 GitHub stars, 27 forks**, MIT.

Secp256K1 for Android – ECDSA secp256k1 implementation for Android via JNI/NDK; open-source counterpart to the wallet work.

ChatGPT Client (KMP) – Kotlin Multiplatform app sharing domain and data layers across Android and iOS; Compose, SwiftUI, Ktor.

Movie App (Jetpack Compose) – Reference implementation of a modern declarative UI stack.

EDUCATION & CERTIFICATIONS

BSc Computer Science | The Islamia University of Bahawalpur, Pakistan | 2015 - 2019

Jetpack Compose Masterclass (Udemy) · **Clean Architecture & MVI** (Coursera)