

TEHRIM ABBAS

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Product-minded Android engineer with 8+ years in Kotlin, Coroutines/Flow and Jetpack Compose, now shipping shared Android/iOS code with Kotlin Multiplatform. Owns payments (Yuno) and MVI architecture for Virgin Mobile's apps in Colombia and Mexico: 100K+ monthly active devices, 0.02% crash and 0.03% ANR rates, 4.4–4.7★ on Play, weekly releases, Saudi Arabia launch underway.

WORK EXPERIENCE

Beyond ONE

March 2025 – Present

Software Engineer II (Android + KMP)

- Relunched the **Virgin Mobile** self-care app in two live LATAM markets (Colombia, Mexico) by leading its **KMP** re-architecture — migrating the existing user base onto the rewrite while mentoring iOS engineers into shared-code ownership; the **Virgin + FRIENDi** GCC launch is now in progress on the same codebase.
- Own the **payments** domain end-to-end on Android and iOS (Yuno checkout, auto-renew subscriptions, wallet top-ups, Nequi/card enrollment) — by re-architecting the checkout surface into per-flow ViewModels behind a shared payment coordinator, which removed duplicated guard logic and eliminated flow branching from platform UI.
- Resolved a production duplicate-payments incident (248 duplicate charges in one week) by tracing it across the mobile client, middleware and payment gateway to a missing idempotency contract and a check-then-act race.
- Gave iOS network-traffic inspection full parity with Android for the first time by designing and publishing **NetworkInspector** — a KMP inspector (Ktor plugin + OkHttp interceptor + native Compose/SwiftUI UIs) shipped as a versioned private Maven library with tag-triggered CI/CD — replacing a rejected third-party dependency.
- Enforced 100% cross-platform event-data parity by architecting a centralized **Analytics** engine unifying Adjust, Amplitude, and Google tracking as the library's top contributor — catching a breaking schema change pre-release that would have corrupted live Colombia event data.
- Achieved 100% UI/UX consistency across Android and iOS by engineering a KMP **design system** generated from Figma design tokens — its bundled Arabic typography later removed a launch blocker for the Saudi market and made the system reusable for GCC apps.
- Reduced API integration time by 40% by architecting a type-safe **Ktorfit** networking layer in the KMP shared module, ensuring 100% logic parity between Android and iOS.
- Accelerated release cycles by automating **CI/CD** with GitHub Actions — Paparazzi snapshot testing, per-environment signed bundles, automated version bumps, and PR coverage reporting over a 1,500-test suite — and cut APK download times 60% via CDN (S3) distribution.

Motive (Keeptrucking)

Oct 2022 – Mar 2025

Senior Software Engineer (Android) Remote

- Secured a **FedEx** enterprise contract renewal by shipping regulatory-compliant **Yard Move** and **Agriculture Exception** (49 CFR § 395.1(k)) features end-to-end in the Motive Driver app, protecting one of the company's largest fleet accounts.
- Reduced HOS-related support tickets by 20% by re-architecting the **Split Sleeper Berth** duty-status calculation logic, eliminating a recurring class of log-violation bugs affecting 1M+ commercial drivers.
- Maintained 99.9% uptime and crash-free stability for a **1M+ user** app by profiling ANR and startup hot paths and hardening pre-release performance gates across a wide range of ELD hardware and Android devices.
- Cut iOS implementation effort by 80% on shared compliance logic by introducing **KMM** for cross-platform validation of HOS business rules.
- Served as **release captain** for the Motive Driver app — staged rollouts, post-release crash/ANR monitoring, and Instabug triage — keeping releases on a predictable cadence for enterprise fleets.

Digitify (Fintech)

Apr 2020 – Oct 2022

Software Engineer

- Delivered core mobile-banking features (onboarding, cards, payments) for the **YAP UAE** and **EDB** banking apps serving 10K+ customers by building on Kotlin with token-based API auth and Promon app shielding.

- Achieved an 80% completion rate on the B2B **KYC and loan** journey by rolling out a guided, in-app document-capture and application flow.
- Eliminated manual security-hardening steps in every release by automating **Promon SDK** integration through a custom Gradle plugin, removing a recurring source of misconfigured builds.
- Contributed production modules across the **YAP Super App**, YAP Pakistan, and YAP Household products.

DevBatch

Software Engineer

Sep 2018 – Apr 2020

- Built and maintained Android and React Native apps, including the **MedIQ** healthcare app (100K+ downloads) and the **Mingles** dating app with in-app audio/video calling.
- Enabled real-time job creation and live tracking in the **Oar** home-services app (50K+ downloads) by implementing socket-based messaging with PubNub.

PROJECTS

Motive Driver Android Application

Oct 2022 – Mar 2025

- 1M+ downloads in the Google Play Store with a 4.4 rating after 34,000+ reviews
- Motive Driver App is a flagship fleet management and ELD compliance platform serving 1M+ drivers, built with **Java**, **Kotlin**, and **KMM** to handle complex regulatory logic and real-world logistics.
- **Projects**
 - **Yard Move Enhancement** — HOS-compliant yard-move duty status letting fleets record on-site CMV movement as on-duty (not driving), preserving drivers' available drive hours.
 - **Agriculture Exception** — 49 CFR § 395.1(k) exemption support enabling eligible drivers to log agricultural transport as Off Duty within a 150-air-mile radius during planting/harvest periods.
 - **Driver Tools for Smart Trip Match** — review, undo, and reassign tooling for automated log-edit suggestions, reducing misclassified duty events that previously caused HOS violations.

EDB Banking App

Jan 2022 – Oct 2022

- 12K+ downloads in the Google Play store with a 4.3 rating

YAP – Your Digital Banking App (Android Application)

Mar 2021 – Dec 2021

- 10K+ downloads in the Google Play store with a 4.6+ rating after 2,900+ reviews.
- Fintech app in **Kotlin** and **Jetpack Compose** supporting multiple payment gateways and instant virtual card creation for 10K+ customers.
- Hardened the app against security breaches with **Promon SDK** shielding and token-based API authentication.

Oar App - Home Services (Android application)

May 2020 – Feb 2021

- 50K+ downloads in the Google Play store with a 4.3+ rating after 2300+ reviews.
- Oar App built with **Java**, **Kotlin**, and **KMM**. It uses sockets for realtime jobs creation, and customers can order any home service via the application.

MedIQ Smart Healthcare (Android application)

Sep 2018 – Jun 2019

- 100K+ downloads in the Google Play store with a 4.1+ rating after 1950+ reviews.
- A healthcare product that offers virtual healthcare services used by over 100K customers, 4k+ healthcare service providers, and 100+ corporate clients.

TECHNICAL SKILLS

Languages: Kotlin, Java, Swift, JavaScript/TypeScript

Cross-Platform: Kotlin Multiplatform (KMP/KMM), React Native, Jetpack Compose and SwiftUI, multiplatform libraries and plugins published to private Maven

Native Android & iOS: Android SDK, iOS SDK/Xcode, KMP–Swift interop (expect/actual, shared frameworks), Gradle (Kotlin DSL), support across many devices and OS versions, performance profiling (ANR, startup, memory)

Architecture & State: MVI, MVVM, MVC, Clean Architecture (use cases, repositories), multi-module apps, multi-country/multi-brand build flavors, Coroutines/Flow, dependency injection (Koin), design systems from Figma tokens, RTL/localization

Backend & Data: Ktor, Ktorfit, OkHttp, Retrofit, REST APIs; payment gateways (Yuno), KYC flows; token-based auth with refresh, Promon app shielding; Firebase Remote Config, headless CMS (Storyblok)

Quality & Delivery: Unit, TDD, Paparazzi and iOS snapshot testing, Maestro E2E, coverage gates (Kover/xccov), Detekt/Ktlint/SwiftLint, GitHub Actions CI/CD with merge queues, Jenkins, staged rollouts, Firebase Crashlytics, Instabug, Adjust, Amplitude, Google Analytics, MoEngage

Engineering Practice: PRDs, technical design docs and ADRs, code review, AI-assisted development (Claude Code agents and review automation)

EDUCATION

University of Sargodha, Pakistan. <i>Bachelor of Science, Computer Science</i>	Graduated June 2018
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