SHAHRIYAR AGHAJANI

Senior Android Developer | Kotlin | Jetpack Compose | Kotlin Multiplatform

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SUMMARY

9+ years building production Kotlin/Android applications; the last several spent architecting and essentially single-handedly driving a large multi-tenant B2B platform end-to-end - a Compose Multiplatform client (Android/iOS/Desktop) and its Spring Boot backend. Deep expertise in Kotlin Multiplatform, Jetpack Compose, and Clean Architecture, with full-stack range from offline-first mobile data layers to backend service design and open-source library authorship. EU Blue Card holder based in Düsseldorf, Germany.

SKILLS

Languages: Kotlin, Java

Multiplatform & UI: Android SDK, Kotlin Multiplatform (KMP), Jetpack Compose, Compose Multiplatform, Compose Navigation, Material 3, Jetpack (Lifecycle, ViewModel, WorkManager, Glance), Decompose

Architecture: Clean Architecture, MVVM, MVI, MVP, modularization

Async & Local Data: Coroutines & Flow, Room, SQLDelight, SQLite, DataStore

Networking: Ktor, Retrofit, REST API design & integration, Push Notifications (FCM)

Dependency Injection: Koin, Hilt, Dagger

Backend & Data: Spring Boot, PostgreSQL, JWT auth

Tooling & Practice: Git/GitFlow, Gradle (Kotlin DSL), GitHub Actions/CI, Firebase, Localization/i18n, Agile/Scrum, code review

EXPERIENCE

Senior Android Developer - MTP GmbH ..... *Nov 2022 - Present*

Düsseldorf, Germany | Metal Technology Projects MTP GmbH (company restructuring; continuous employment since 2022)

- Own and develop the Android/iOS/Desktop client of Flowerk, a multi-tenant B2B trade-management platform built with Kotlin Multiplatform and Compose Multiplatform, shipping multiple tenant-specific builds (debug/release) from a single codebase.
- Structured the client around Clean Architecture (core/data/domain/presentation) with Koin dependency injection across six modules, Room for offline-first local persistence with versioned schema migrations, and Ktor for networking against a 30+ feature REST surface spanning RFQs, quotations, purchase orders, proforma invoices, invoices, packing lists, contracts, supplier inspections, freight forwarding, and HR attendance & leave.
- Designed and shipped a dual-format (PDF + Excel) document-generation pipeline and a per-tenant document numbering/coding engine that generates and validates compliant reference codes (purchase order, RFQ, invoice, etc.) against each tenant's own numbering rules - later extracted the PDF engine into a published open-source Kotlin library (see Personal Projects: docdsl).
- Also drive the Clean Architecture migration of the platform's Spring Boot backend: moved domain logic free of framework/infrastructure dependencies, introduced ports & adapters for messaging (Outlook), file storage, and PDF generation, and made all write use cases transactional to close data-integrity gaps.

Android Developer - Golrang System ..... *Oct 2020 - Nov 2022*

Tehran, Iran | Trade Marketing - offline-first field-sales & retail-execution app

- Built an offline-first field-sales and retail-execution app (Kotlin, Clean Architecture - app/data/domain modules) for field reps, syncing through a local Room store when connectivity returns.
- Implemented in-app route mapping/tracking for field reps and a custom dynamic form generator for configurable store surveys and audits, including in-field photo capture for shelf/compliance evidence.
- Added background location tracking, improving field-data reliability and enabling route verification without manual check-ins.
- Built a monitoring layer that cut runtime crashes by 30%, and improved storage efficiency through targeted caching.

Freelance, same period: Lingocast - a language/audio-learning Android app (Kotlin), shipped to Google Play.

Android Developer - Gajino ..... *Apr 2020 - Oct 2020*

Tehran, Iran | Online learning & exam platform

- Built core features on Clean Architecture (app/domain/data/framework modules), including ExoPlayer-based video streaming optimized to cut load times by ~10%.
- Redesigned the Online Exam flow, including handling of interrupted/uncompleted sessions, reducing time for students to join a session by 30%.
- Reduced the PDF-reader module's memory footprint by 25% through targeted rendering/caching optimization.

Android Developer - Khanoumi ..... *Mar 2019 - Apr 2020*

Tehran, Iran | Khanoumi (e-commerce) & Noarous (wedding planning)

- Delivered two production Android apps (Khanoumi e-commerce, Noarous wedding-planning) to 2M+ combined users under tight deadlines, covering login/auth, product catalog & basket, and marketing-attribution tracking.
- Implemented a time-based notification queueing system; at Khanoumi's scale, profiled and optimized app performance, including migrating image loading (Picasso to Glide) to cut memory use and jank.
- Added OTP-based authentication and refined UX (swipe-to-delete, list interactions) across both apps.

Android Developer - Rayan Andisheh Nasr ..... *May 2017 - Mar 2019*
Tehran, Iran

- First professional Android role: built Peysepar, a two-sided corporate transportation app - trip booking/scheduling against company drivers and vehicles for requesters, plus a companion driver app with live GPS route tracking - using MVP architecture in Kotlin.
- Built and shipped Callcenter 1666 (call-center agent/activity management, iterated through multiple releases) and Sheek (a directory for locating government/court experts and services).
- Built Bumyar/Shahrnik, a municipal-services app for submitting and tracking service requests, course enrollment, and bill payments, with photo-evidence capture for submitted requests.
- Also delivered Dastyar Bimeh (insurance issue tracking/technician notification) and 194 (Gas), a utility app for gas-organization issue reporting and asset tracking.
- Mentored interns and helped establish the team's MVP architecture conventions.

Freelance, same period: Madrese-Plus - an early-stage school-management Android app.

PERSONAL PROJECTS

docdsl - open-source Kotlin document-generation library

Own open-source Kotlin library (Apache 2.0, published to Maven Central) that describes business documents (invoices, purchase orders, etc.) as data and renders them to PDF or Excel from one declarative spec. Grew directly out of production PDF work at MTP; the migrated generator dropped from ~700-1,100 lines of hand-built OpenPDF code to ~145. Notable design details: pagination-safe "Page X of Y" footers, font-metric-based (not guessed) column sizing, and graceful fallback for non-Latin-1 scripts.

EcommercePlatform - white-label multiplatform storefront

Personal white-label e-commerce platform: Kotlin Multiplatform storefront + manager apps targeting Android, iOS, Desktop, JS and Wasm from one shared codebase, with a Spring Boot backend (JWT auth, role-based access), configurable payment (PayPal, Klarna, Apple/Google Pay) and German delivery-provider integrations (DHL, Hermes, GLS, UPS), plus a dynamic per-category custom-field and reporting engine.

CERTIFICATIONS

Advanced Android Bootcamp 2023 (Jetpack, Architecture & More), Udemy - Jul 2023
MVI Architecture with Jetpack Compose for Android 2023, Udemy - Jun 2023
Java EE, Services, Spring, Hibernate - Sematec, Apr - Jul 2018
Android Advance - Sematec, May - Jul 2017
Android Development (Canadian Android-ATC license) - Sematec, Dec 2016 - Feb 2017
Java EE - MFT, Jul - Sep 2016
SQL Server - MFT, May - Jul 2016
Java SE - MFT, Mar - May 2016

EDUCATION

Bachelor of IT Engineering - Azad University, Iran (Jul 2016 - Jul 2020)

Languages: English (Fluent), Persian (Native), German (Basic)

References available on request.