

Miguel Angel Mialdea Monzo

Senior Android Engineer · Kotlin · Jetpack Compose · Kotlin Multiplatform

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PROFILE

Senior Android Engineer with 5+ years building production Kotlin applications used by millions of people. I own features end to end, from early design and prototyping with product designers through implementation, testing, accessibility and release. Deep expertise in the Android SDK and the Jetpack stack, Clean Architecture and multi-module setups, with async data handling via Coroutines and Flow. I work in English daily with engineering teams distributed across several countries, and I build my own Android apps end to end outside work.

EXPERIENCE

Globant — Senior Android Engineer

April 2023 – Present

Santander and Openbank projects, plus internal AI products · Valencia, Spain (remote)

- Designed and shipped features in Kotlin and Jetpack Compose for Openbank's Android app, serving millions of users across EU and LATAM markets.
- Architected country-extensible payment configurations enabling rapid market expansion inside a multi-module Clean Architecture codebase (data, domain, view).
- Led a 3,000+ test migration from JUnit 4 to JUnit 5, improving build speed and CI/CD efficiency for the whole team.
- Built a custom video player on ExoPlayer with bespoke playback controls and media optimisation for streaming.
- Integrated REST APIs with Retrofit and Coroutines/Flow, including error handling, retries and state management with StateFlow and SharedFlow.
- Delivered accessibility improvements aligned with WCAG, adapting screens and components alongside product designers and following Material Design guidelines.
- Architected an AI-powered repository comparison tool to detect breaking changes between a core module and the downstream repositories that consume it.

Kotlin, Jetpack Compose, Coroutines, Flow, Hilt, Dagger 2, Room, Retrofit, ExoPlayer, JUnit 5, MockK, Material Design 3.

Laberit (Rudo) — Android Developer

March 2021 – April 2023

Consultancy: greenfield products, client-facing technical work and production support · Valencia, Spain

- Owned the full development lifecycle for a factory inventory Android app: architecture, UI, REST and SOAP integration, and Play Store releases.
- Built MVP demos for banking clients, taking them from mockups and wireframes to a working prototype with Clean Architecture, MVVM and mocked data layers.
- Developed payment flows and real-time order tracking for a food delivery app with async data handling.
- Fixed critical bugs in the Santander Android app, collaborating asynchronously with an international team based in Poland.

Kotlin, Java, MVVM, Coroutines, Room, Retrofit, Koin, JUnit, Espresso.

SELECTED PERSONAL PROJECTS

WarrantyVault — Android app built end to end on my own, in final review before release. Kotlin and Compose, WorkManager notifications, Android 14+ Photo Picker, Room. Signed AAB, privacy policy published and Play Console configured.

Jarvis — Kotlin Android client with Ktor WebSocket, a foreground service on Android 14+, Compose UI and persistent reconnection logic.

TECHNICAL SKILLS

Languages: Kotlin (expert, 5+ years), Java, Swift (basic) · **Multiplatform:** Kotlin Multiplatform, Compose Multiplatform, expect/actual

UI: Jetpack Compose, Navigation, Material Design 3, XML layouts, Accessibility (WCAG), prototyping from wireframes and mockups

Architecture: MVVM, MVI, Clean Architecture, multi-module and modularisation

Async & Reactive: Coroutines, Flow, StateFlow and SharedFlow, RxJava 2/3

Networking: REST, Retrofit, Ktor Client, OkHttp, WebSockets, SOAP

DI & Data: Hilt, Dagger 2, Koin, Room, DataStore

Testing: JUnit 4/5, MockK, Mockito, Espresso, Compose UI Test, Truth

Performance: memory profiling, cold start optimisation, ANR prevention, ProGuard/R8

Tooling & Release: Gradle (KTS), Git, GitHub Actions, CI/CD, Firebase Crashlytics, Play Console

LANGUAGES

Spanish (native) · English (professional working proficiency, used daily in international engineering teams for code reviews, technical documentation, Agile ceremonies and async cross-country collaboration)

EDUCATION

Higher Technician Degrees in **Web Application Development (DAW)** · 2020 – 2021 and **Multi-Platform Application Development (DAM)** · 2018 – 2020 — Progresa Centro de Formacion Profesional, Valencia