Michal Tretowicz

Senior Android / Flutter Developer

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PROFESSIONAL SUMMARY

Senior Android/Flutter Developer with 10+ years of experience building mobile and TV applications. Proven track record as Team Lead delivering streaming, fintech, e-commerce, government and logistics applications. Expert in Jetpack Compose, Flutter, and modern Android architecture (MVVM, Clean Architecture, Hilt). Over 8 years of hands-on experience with Bluetooth Classic and BLE, including integrations with Zebra devices and printers. Experienced in full project lifecycle from architecture design to Play Store deployment.

TECHNICAL SKILLS

Languages: Kotlin, Java, Dart

Frameworks: Jetpack Compose, Compose TV, Compose Multiplatform, Flutter, Android SDK, Leanback

Architecture: MVVM, MVP, MVI, Clean Architecture, Modular Architecture

DI & Networking: Hilt, Dagger 2, Koin, Retrofit, OkHttp, Ktor, Apollo GraphQL

Async & Reactive: Kotlin Coroutines, Flow, StateFlow, SharedFlow, RxJava

Tools: Android Studio, VS Code, Xcode, Git, Firebase, Gradle (KTS), GitHub Actions, Jira

Testing: JUnit 5, Mockk, Turbine, Compose Testing, Espresso, Detekt

Platforms: Android Mobile, Android TV, iOS (via Flutter)

Specializations: BLE/Bluetooth (8+ years, Classic & BLE), Zebra devices and printers, Voice Recognition, ChatGPT Integration, AR (Unity)

PROFESSIONAL EXPERIENCE

Allegro - Senior Android Developer

03/2026 - 08/2026

- Developed and maintained core features of the Allegro e-commerce application serving millions of users across Poland
- Implemented modular architecture with dynamic feature delivery, reducing app startup time and improving release velocity
- Built reusable UI component library with Jetpack Compose Design System aligned with Allegro brand guidelines
- Optimized performance of product listing and search flows using Compose lazy layouts, Paging 3, and SnapshotFlow
- Integrated GraphQL API layer with Apollo Kotlin for efficient data fetching and reduced over-fetching
- Collaborated in cross-functional agile team with backend, QA, and product stakeholders

Tech stack: Kotlin, Jetpack Compose, Compose Multiplatform, Hilt, Apollo GraphQL, Coroutines, Flow, Paging 3, Modular Architecture, Gradle KTS, Convention Plugins, GitHub Actions, JUnit 5, Mockk, Compose Testing, Detekt

ITCraft - Senior Android/Flutter Developer

2021 - 2026

- Team Lead for government application for Saudi Arabia region using Jetpack Compose
- Developed BeeSpeaker English learning app (Flutter) with voice recording, speech recognition, and ChatGPT integration
- Built Makro client application with Hilt, Retrofit, and custom UI components
- Delivered multiple applications as Team Lead using Jetpack Compose, Compose TV, Hilt, MVVM architecture

Tech stack: Kotlin, Dart, Jetpack Compose, Compose TV, Flutter, Hilt, Retrofit, Coroutines, Flow, StateFlow, MVVM, Clean Architecture, Firebase (FCM, Crashlytics, Analytics), Room, DataStore, Navigation Compose, OpenAI API, Gradle KTS, JUnit, Mockk

Miquido - Android Developer

2020 - 2021

- Developed currency trading application with real-time data using Android SDK, Retrofit, Dagger, MVVM
- Implemented secure financial transactions following industry standards

Tech stack: Kotlin, Android SDK, Retrofit, OkHttp, Dagger 2, Coroutines, LiveData, ViewModel, MVVM, Room, WebSocket, SSL Pinning, JUnit, Espresso

Proexe - Android Developer / Team Lead

2015 - 2020

- Team Lead for PlayNow TV streaming application (Android TV, Leanback, Retrofit, Dagger, MVP)
- Team Lead for Polonus bus driver application with Bluetooth Zebra thermal printer integration for real-time ticket printing
- Implemented custom Bluetooth integration with POSNET fiscal printers for on-board ticketing
- Led confidential logistics project using Zebra mobile devices with integrated barcode scanners for warehouse inventory and asset tracking
- Developed photo album ordering app with background download management and payment integration

Tech stack: Kotlin, Java, Android SDK, Leanback, Retrofit, OkHttp, Dagger 2, RxJava 2, MVP, Bluetooth Classic, BLE, Zebra ZSDK, SQLite, LiveData, ViewModel, Gradle, JUnit

Q4B - Android Developer

2015 - 2016

- Built indoor navigation application using BLE beacons and custom Bluetooth Low Energy SDKs

Tech stack: Java, Android SDK, BLE, Bluetooth Low Energy SDKs, iBeacon, Eddystone, RxJava, Android Location API, Gradle

Pathwork - Android Developer

2013 - 2015

- Developed healthcare application for epilepsy patients
- Created AR application using Leap Motion controller and Unity engine

Tech stack: Java, Android SDK, Unity, C#, Leap Motion SDK, Android Sensors, SQLite, Gradle, Eclipse ADT

EDUCATION

Computer Science - 3 years of studies, 2011

LANGUAGES

Polish: Native | English: C1 (advanced)