

Maksym Dykyi

Senior Android Engineer | Mobile Lead

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SUMMARY

Senior Android Engineer with 6+ years of experience in Kotlin, Jetpack Compose and Android NDK, building software that controls real hardware. I own the in-vehicle Android platform for SHERP's extreme all-terrain vehicles, from the CAN bus driver layer up to the UI. I built the Android team from zero and shipped software for three vehicle models, which together brought in over \$1M in sales.

EXPERIENCE

Head of Android Engineering

SHERP | Contract | Feb 2022 – Present

- Designed the **CAN bus driver layer** (NDK/C++) that connects the Android device to the vehicle's controllers, giving reliable real-time telemetry and control of powertrain, lighting, winch and climate.
- Shipped in-vehicle software for **3 vehicle models**, which together brought in **\$1M+ in sales**. The 4th model is in development.
- Built the Android engineering function from zero: hiring strategy, technical interviews, onboarding a team of 3 engineers.
- Own architecture and technical decisions for the whole mobile layer, built for mud, cold and no-signal conditions.

Stack: Kotlin, Jetpack Compose, MVVM, Coroutines, Kotlin Flow, NDK, C++, CAN bus, Bluetooth LE, Room, Retrofit

Android Engineer

SHERP | Contract | Feb 2021 – Feb 2022

- First mobile engineer at the company. Built the first-generation vehicle control app from scratch, with real-time vehicle data and a custom control interface.
- Integrated native C++ libraries through the NDK for low-latency hardware communication.

Stack: Kotlin, MVVM, Coroutines, Jetpack Compose, Room, NDK, C++

Mobile Developer (Android, iOS, Backend)

Independent Contractor | Freelance, alongside SHERP | 2020 – Present

- Delivered 5+ production Android apps for clients across several domains (under NDA, references on request).
- Native iOS development in Swift and SwiftUI. Backend services in Kotlin and Ktor: REST APIs, JWT/OAuth authentication, PostgreSQL.

Stack: Kotlin, Swift, SwiftUI, Ktor, PostgreSQL, Jetpack Compose, Firebase, REST

Junior Android Developer

GlobalLogic | Kyiv | Jan 2020 – Feb 2021

- Developed and maintained the official LA Galaxy (MLS) fan app: in-app billing, push notifications, live match features.

Stack: Kotlin, MVVM, Coroutines, Firebase (Auth, Analytics, Crashlytics), Room, Google Play Billing

SKILLS

Android: Kotlin, Java, Android SDK, Jetpack Compose, Coroutines, Kotlin Flow, Room, Retrofit, OkHttp, Hilt, Firebase

Embedded / Hardware: Android NDK, C++, JNI, CAN bus, Bluetooth LE

Architecture: MVVM, Clean Architecture, SOLID, DDD

iOS: Swift, SwiftUI, UIKit, Combine, Keychain, MapKit

Backend: Kotlin, Ktor, Exposed ORM, PostgreSQL, REST, JWT, OAuth

Tools: Git, Gradle, Android Studio, Xcode, Linux, Docker, Jira, AI-assisted development (Claude Code, MCP)

EDUCATION

MSc Computer Science, Taras Shevchenko National University of Kyiv | 2024 – 2025

BSc Computer Science, Taras Shevchenko National University of Kyiv | 2019 – 2023

LANGUAGES AND INTERESTS

Languages: Ukrainian (native), English (B2, Upper Intermediate)

Interests: Karate (International Master of Sports), history of portable electronics