

ANDREAS ROOS

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Backend & Android Developer

Backend and Android developer with a background in music production and audio engineering. I build APIs and services with Kotlin, Java, and Spring Boot/Ktor, and Android apps with Jetpack Compose. Experienced with Bluetooth LE, audio DSP, and real-time data protocols. A decade managing complex live productions translates directly to shipping reliable software on deadline.

TECHNICAL SKILLS



PROJECTS

BLE Testing App

Android app for testing Bluetooth LE and LE Audio devices. Lua scripting engine for custom test sequences, GATT discovery and real-time device communication.

Kotlin Compose BLE LE Audio

Lua MVVM Clean Architecture

Wireless Test Platform

REST API for BLE and LE Audio test session management and result storage. Real-time SSE events. Svelte + TypeScript frontend. Containerized with Docker.

Kotlin Ktor

PostgreSQL Exposed SSE Docker

Audio Watermark

Desktop tool that embeds imperceptible, cryptographically signed watermarks into audio. Survives compression, editing, and format conversion. Real-time spectrogram visualization.

C++20 JUCE DSP CMake

EXPERIENCE

2025 - 2026

Intern — Android Developer

Sigma Connectivity, Stockholm

- Android BLE and LE Audio testing app with Jetpack Compose and Clean Architecture
- Full BLE/GATT and LE Audio stack — scanning, connections, characteristic read/write, notifications
- Lua scripting engine for user-defined BLE test sequences
- Companion Ktor backend with PostgreSQL for test session persistence

2009 - Present

Music Producer, Drummer, Mixing & Mastering Engineer

Roos Music AB / IMRSV Music / Freelance

- Live drums and live sound engineering for Veronica Maggio, Benjamin Ingrosso, and Loreen
- Mixed and mastered for artists including Vault Boy, Liam Payne, and Benjamin Ingrosso
- Mastering engineer at IMRSV Music — final audio for commercial releases
- Signed songwriter & producer at TEN Music Group

LANGUAGES

Swedish English
Native Fluent

EDUCATION

Java Developer Program

Nackademin · 2024 - 2026 (expected June)

Music Production

Musikmakarna · 2013 - 2015

Gymnasium

Södra Latin · 2006 - 2009