

Stepan Demianenko

Graduate Android Engineer — Kotlin, Jetpack Compose, Room, Health Connect

Edinburgh, UK · UK Work Authorisation · Open to Relocation

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EDUCATION

Edinburgh Napier University

Expected June 2026

BEng (Hons) Software Engineering · Edinburgh, UK

- **Relevant Modules:** Algorithms & Data Structures (C#), Databases (SQL/MariaDB), Web Tech (JS).

PROJECTS

Motivation-Supportive Android Fitness Prototype

Aug 2025 — Apr 2026

Kotlin, Jetpack Compose, Room, Health Connect, MVVM, GitHub Actions

- Built a full Android fitness prototype in **Kotlin** and **Jetpack Compose**, using **MVVM**, repository pattern, and **Room** for local-first workout, set, timer, and progress tracking data.
- Designed low-friction workout flows for creating sessions, logging sets/reps/weights, reviewing completed sessions, and using short check-in/rest-day paths for lower-capacity days.
- Integrated optional **Health Connect** data flows with clear permission handling and data provenance, distinguishing manually entered metrics from imported health data.
- Iterated the prototype through formative usability evaluation with **5 participants**, improving Home-screen next-action clarity, workout logging flow, and progress-screen interpretation.
- Created a repeatable Android build workflow with **GitHub Actions**, producing APK artifacts for testing and supervisor/user evaluation.

Music & Notes Web App — Flask + JavaScript

Dec 2024

- Built a multi-feature app (playback, notes, PDF viewing), improving UX flow and reducing context switching in informal tests (5 participants).

EXPERIENCE

Legal-Pythia LLP (AI-Driven Legal Tech) — Software Developer Intern

Oct 2024 – Jan 2025

Remote

- Refactored monolithic Python ETL into modular **Pandas** pipelines, cutting runtime **30%** on **10GB+** datasets.
- Engineered async **FastAPI** services orchestrated with **Temporal**, boosting throughput **3x** and reducing client latency.
- Improved reliability with idempotent retries and structured logging to ensure reproducible runs (useful for data-driven feature iteration).

TECHNICAL SKILLS

- **Android:** Kotlin, Java, Jetpack Compose, Room, MVVM, Health Connect, Gradle
- **Backend/Data:** Python, FastAPI, REST APIs, Pandas, Temporal, Spring Boot
- **Databases:** SQLite/Room, MariaDB, PostgreSQL, MongoDB
- **Testing/DevOps:** JUnit, Git, GitHub Actions, Docker, CI/CD
- **Web/Other:** JavaScript, Flask, Firebase, SonarQube

ACHIEVEMENTS

- **Winner — Napier Hackathon 2023:** 1st place out of 10 teams.
- Completed honours-level Android dissertation project involving implementation, usability evaluation, CI/CD, and academic reporting.
- Languages: English fluent, Ukrainian native, Russian fluent.