Gregory Smith - CV

Senior Android Engineer
gregorypsmith@proton.me

Experienced Senior Android Engineer (Kotlin). Earned Computer Science MSc whilst working as a Manager for the Civil Service.

EXPERIENCE

Barrows Connected Store — Senior Android Engineer | April 2025 - PRESENT
Lead Android Engineer in one of the UK's leading in store digital display providers.
ExoPlayer; Kotlin; Jetpack Compose; Kotlin.

- Introduced Android best practices (e.g. introduced Hilt, migration to TOML dependency management, SharedPrefs to DataStore, LiveData to StateFlows, correct CoRoutine Scope selection). This reduced crash rate 90%.
- Mentored junior engineers, by reviewing PRs, coaching through complexities in the codebase, and using tools to help structure their PRs (Graphite).
- Added support for Android 10+, where previously restricted to 7.1.2, limiting hardware selection for fleet scaling..

Lopay — Android Engineer | April 2023 - April 2025
One of only 2 Android engineers in a high growth (10% MoM) Fintech startup.
Jetpack Compose; Kotlin; MVI.

- Spearheaded development of key features, streamlined payment processing for users a enhancing card reader and printer integration.
- Improved onboarding, achieving 4x increase in onboarding.
- Collaborated with the backend team to architect and implement robust REST APIs, optimizing front-end functionality and improving system efficiency.
- Implemented comprehensive biometrics and 2FA app security (let's discuss!).

YouView — *Android Engineer* | March 2022 - April 2023
MVVM: Kotlin & TS for TalkTalk's (UK's AT&T) newly launched Android TV box.

- Delivered Google Assistant tickets & AWS lambda tickets.
- Improved CI/CD with Jenkins & Circle CI.
- Trained a new engineer, coached in designing solutions & writing clean code.

UK Civil Service — *Senior Policy Advisor* | November 2017 - March 2022
Held a range of roles, finishing as a senior policy advisor at customs authority.

- Managed teams, drafted notes for Ministers in Parliament on economic laws.
- Ownership of IT projects & presented border IT projects to senior officials.

EDUCATION

Birkbeck University of London — *MSc Computer Science* | March 2019 - Novem 2021

Achieved a distinction studying rigorous curriculum, whilst working full time.

- Java & Python; SOLID development; OOP; TDD & concurrency.
- OS design; SQL; data structures & algorithms. Agile; architecture; ML.

SOAS, University of London — *BSc Economics (Hons)* | October 2014 - June 20

PROJECTS

London Ambulance Service dashboard — *MSc Project*

MSc project: London Ambulance Service dashboard to help predict Covid waves and subsequent ambulance demand using additive modeling in Python.

SKILLS

Android development:
MVI & Jetpack Compose; Kotlin; Java; Coroutines; Dagger; JUnit; Mockito; Espresso; MVVM; RxJava2; Lifecycle management; Retrofit & RESTful APIs Gradle; ExoPlayer; StateFlows; OkHttp & LiveData.

Other skills:
Git, TypeScript, Python Machine Learning (including sklearn & pandas); SQL development; Jira; Figma.

AWARDS

Singapore International Foundation:
Young Social Entrepreneurs competition:
Only team from Europe to be invited to the competition.

NHS Test Beds: Invited to present my defibrillator app to NHS hospitals.

LANGUAGES

Bilingual English & Dutch, Fluent French; working Spanish & German; basic Portuguese; some Mandarin & Burmese.

MORE ABOUT ME

Finance fan. Marathon runner, have run 2 marathons alone after the races were officially canceled due to covid (and one organised race).
Adventurer: have climbed to the highest point on a continent, making me the highest person on the continent at that time.
Gymnast: as an adult I can do a cartwheel.
Data obsessed: I've tracked my own health data since 2014.
Have lived in four countries, and visited 27.