

SAIF AL-SAYED

Mobile App Developer | Flutter & Native Android (Kotlin)

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SUMMARY

Came to Computer Science chasing a fascination with game development, and ended up specializing in mobile instead — now working across both Native Android (Kotlin) and Flutter. Prefers understanding a system end-to-end over staying in one lane, often digging through documentation, forums, and communities when a course doesn't cover the problem, and eager to learn new technologies.

EXPERIENCE

Mobile App Developer Trainee — i-lance Program, Digital Egypt Youth (NTI) *May 2026 – Jul 2026*

- Enrolled in a 120-hour intensive cross-platform mobile development program (90h technical / 30h soft skills) focused on Flutter.

Mobile App Development Intern — Digital Egypt Pioneers Initiative (DEPI), MCIT *Apr 2024 – Oct 2024*

- Completed a 144-hour Native Android training track (Java → Kotlin → XML → Jetpack Compose) as part of the program's first cohort, 96-hour of soft skills and career development.
- "What's Now" News App:** built a multi-country news app (US/UK/Germany/France) with customizable categories, article sharing, favorites, Firebase authentication, and offline access via Room. **Tech:** Kotlin, XML, Retrofit, Room, Firebase. [GitHub](#)
- "Active Life" Fitness App:** built a fitness app with personalized workout plans, healthy-food suggestions, and an in-app coach chat. **Tech:** Jetpack Compose, MVVM, Firebase Firestore. [GitHub](#)
- Served as Team Leader for the final project team.

PROJECTS

SafeChild — Graduation Capstone Project *(Grade: A+)*

- Full-stack family-safety app for parent-child communication and location safety.
- Owned Flutter development for core safety features: dual-tier Haversine geofencing and breach detection, real-time location tracking, background monitoring via WorkManager, SOS alerts, WebSocket/STOMP chat, emergency contacts, and AI-advisor integration.
- Backend built with Spring Boot and PostgreSQL; AI advisor implemented as a Python FastAPI microservice using RAG (ChromaDB + Gemini) to answer questions grounded in provided reference material.
- Tech:** Flutter, Spring Boot, PostgreSQL, Firebase (FCM, Storage), WebSocket/STOMP, FastAPI, RAG, ChromaDB, Gemini.

AI First-Aid Assistant (RAG) — *Academic Project*

- Built a retrieval-augmented assistant that answers first-aid questions grounded in reference books, using vector search over embedded document content.

TECHNICAL SKILLS

Mobile: Flutter, Dart, Kotlin, Jetpack Compose, XML (Android Views), MVVM, Android SDK, Android Studio

Backend: Spring Boot, FastAPI, Node.js

Databases: PostgreSQL, Firebase (Firestore, Realtime Database, Auth), Room, SQLite, MongoDB

Other: Retrofit, WebSocket/STOMP, Git/GitHub, Docker, Figma

EDUCATION

B.Sc. in Computer Science — Menoufia University

2022 – 2026

GPA: 3.36 (Very Good)

LANGUAGES

Arabic: Native **English:** B1 (actively improving)