Rama Alsheikha

AI Software Engineer

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Summary

I'm an AI-driven software engineer who builds end-to-end solutions with Python, TypeScript, LLMs, and AI agents. I use AI-assisted development workflows to ship working products fast, from backend APIs and web apps to mobile clients and AI pipelines.

That work is backed by professional Android experience in Kotlin and Java since 2022.

Skills

AI Engineering: LLMs, AI Agents, Prompt and workflow design, AI-assisted development, OCR

Languages: Python, TypeScript, JavaScript, Kotlin, Java

Web and Backend: REST APIs, Ktor, PostgreSQL, Exposed, JWT auth, React, Vite, TanStack Query

Android: Android SDK, Jetpack Compose, MVVM, Coroutines, StateFlow, Retrofit, Dagger Hilt, SOLID, OOP

Tools and Platforms: Linux, Git, GitHub, Postman, Jira, Android Studio, Gradle, Cloudflare Pages

Quality: API testing, Functional and regression testing, Bug tracking, pytest

Experience

Android Developer, InceptiCode (Canada, Remote) **June 2023 – Present**

- Developed and maintained Android applications using MVVM architecture.
- Configured and tested RESTful APIs using Postman.
- Implemented Dagger Hilt for dependency injection, reducing boilerplate code.

Android Developer, Trend Integrated Solutions (Kuwait, Remote) **March 2022 – June 2023**

- Collaborated with QA, iOS, Backend, and Web teams to deliver cross-platform features.
- Resolved development tickets through cross-functional communication.
- Contributed to improving product stability and user experience.

Projects

Atlas: SME financial identity and funding platform **Jul 2026**

Hackathon team project (JoPACC Fintech Rally 2026). Lead Developer: built the web and Android apps end to end.

- Built the React 19 + TypeScript web client (Vite, TanStack Query, Recharts) and the Jetpack Compose Android app (MVVM, Dagger Hilt, Retrofit, StateFlow) for five role-based portals, with full Arabic RTL.
- Integrated AI features into both clients: AI-written credit memos, financial insights, and an AI advisor, shown next to deterministic scores.
- github.com/ramaalsheikha/atlas-web | github.com/ramaalsheikha/atlas-android-app | Live: atlas-web-2a4.pages.dev

StandUp Track: Daily stand-up reporting for teams **Dec 2025 – Jun 2026**

- Built a Ktor 3 REST API on PostgreSQL (Exposed, HikariCP) with JWT auth and owner, team-lead, and member roles, serving an Android app and a web dashboard.
- Built the Android app in Kotlin (MVVM, Dagger Hilt, Retrofit, Coroutines, Navigation Component) in English and Arabic, and a JavaScript web dashboard on the same API.
- github.com/ramaalsheikha/standup-track

Invoice Audit: AI-assisted contract and invoice auditing **Sep 2026 – Oct 2026**

Team project.

- Pipeline that audits 2,806 invoices against two scanned contracts and gives a traceable reason for every verdict.
- AI agents with versioned prompts and EasyOCR read the contracts once; deterministic Python (Pydantic, pypdfium2) makes every decision, with no model call at audit time. Covered by 1,384 automated tests (pytest).

Education

B.Sc. Computer Information Systems, The Hashemite University, Jordan **Graduated August 2025**