

Mohamed Hamid

Mobile & Backend Engineer

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SUMMARY

I build Flutter apps and the backends behind them — APIs, services, dashboards — so what you get is a product, not a client that still needs plumbing. **3+ years, 27 apps shipped, 16 clients.**

My last project was an autonomous trading system: **8,551 tests**, and every fix carries a test that fails if the bug ever comes back. Most of that work turned out to be measurement, not code — **115.9 million market quotes**. It replaced numbers that had been guesses, and I published the results, including the ones that went against me.

That's the habit I bring to product work: ship it, prove it, and write down what's still an assumption. **Open to full-time roles, and to project work.**

EXPERIENCE

Mobile & Backend Engineer — Freelance

2023 – Present · remote, Gulf & MENA

- 27 production applications delivered for **16 clients** across the Gulf and MENA region.
- Flutter across mobile, web and desktop; REST API integration, Firebase, real-time features, Gemini AI integration, and video processing pipelines.
- The backends behind them — Node.js and Laravel services, admin dashboards and the tooling that keeps them running.

Flutter Developer — Webcom, Gaza

2023

- Three production Flutter applications — e-commerce and property booking — used by 500+ users; 15+ responsive screens.

Application Developer — Developer Plus, Gaza

2022

- Built production mobile applications; architecture and performance work.

SELECTED PROJECT

Sahm Trader — autonomous MT5 trading system

2026 · designed and led development

- Built an autonomous trading system and the risk layer that governs it: a pre-order check that refuses any order whose risk the account cannot carry, and refuses to start when the configuration is unsafe. Measuring the real exposure rather than the assumed one moved the worst modelled day from **13.84% to 0.753%**. **8,551 automated tests**, each one proven to fail when its defect is reinstated.

Python · MetaTrader 5 API · pytest · WebSocket backend · Flutter client

SELECTED PRODUCTS

Nawa — block-based notes app with an AI writing assistant and real-time collaboration

Moov Editor — multi-track video editor built on FFmpeg

Hsbhali — bill splitter using vision-model invoice extraction

Sawalif — real-time messaging with stories and push notifications

Sarfli — currency converter with Gemini AI

SKILLS

Languages Dart · Python · Kotlin · Java · SQL

Mobile Flutter (mobile, web, desktop) · Native Android · Clean Architecture · MVVM · Bloc / Riverpod

Backend & systems REST APIs · WebSocket · Firebase · Node.js · Laravel · Git · Linux

Testing & measurement pytest · a regression test for every fix · permutation testing · holdout discipline

EDUCATION

BSc, Mobile Applications Design and Programming — University College of Applied Sciences, Gaza · 2026

Diploma, Software and Databases — University College of Applied Sciences, Gaza · 2023

Languages Arabic (native) · English (professional, written and technical)