

Mahmoud Makhlof (Mahmood Makhloof)

Senior Full-Stack & ERP Developer | Software Engineer Egypt · Remote & MENA | [Portfolio](#) | [Contact via Portfolio](#)

Profile

Senior Software Engineer with deep expertise in full-stack web and cross-platform mobile development. Specializing in building end-to-end production-grade platforms, including multi-sided marketplaces, multi-tenant SaaS, real-time ledgers, and comprehensive ERP systems. Delivers complete, agency-quality solutions starting from architecture to deployment (TypeScript, Next.js, Node.js, Flutter). Fluent in English and Arabic, building bilingual (RTL/LTR) systems by default.

Core Competencies

- **Languages:** TypeScript, JavaScript, Dart, SQL
- **Frontend & Web:** Next.js (App Router), React, Tailwind CSS
- **Mobile:** Flutter (iOS & Android)
- **Backend:** Node.js, NestJS, Postgres, Supabase, MySQL, MongoDB
- **DevOps & Infrastructure:** Docker, Nginx, CI/CD, Prisma, TypeORM
- **Domains:** ERP Systems, Marketplaces, Multi-tenant SaaS, Real-time Systems, FinTech/Ledgers

Professional Experience

Barkotel (Egypt) *Full Stack & ERP Developer* | 1 year — Present

- Developing full-stack applications and architecting enterprise solutions.
- Currently building comprehensive ERP systems for the Ministry of Interior (وزارة الداخلية), focusing on security, scalability, and complex business workflows.

Freelance & Contract (Various Clients - Egypt, Saudi Arabia, MENA) *Node.js Developer* | 1 year

- Engineered scalable backend services, APIs, and complex business logic using Node.js and NestJS.
- Implemented real-time transactional systems, secure data isolation, and idempotent payments.

Flutter Developer | 3 years

- Shipped multiple production-grade cross-platform native applications for iOS and Android.
- Built complex UIs, managed offline-first states, and integrated real-time tracking and delivery zone geofencing.

Selected Projects

Ajza *Multi-platform automotive parts & services marketplace (Saudi Arabia)*

- Architected and shipped 1 NestJS backend, 3 Next.js web apps, and 3 Flutter apps serving 5 distinct roles.
- Implemented real-time order and repair tracking systems.

Montra Lifts *B2B elevator spare-parts marketplace (Egypt)*

- Built on NestJS, Prisma, and MySQL with 4 frontend applications.
- Engineered RFQ project workflows, tamper-proof financial ledgers, and integrated Paymob payments.

Mudarris *Offline-first multi-tenant tutoring SaaS (Egypt/MENA)*

- Developed a Flutter teacher app and Next.js parent/admin dashboards backed by Supabase.
- Created a digital exam engine and integrated WhatsApp services.

Stravo *Restaurant ordering & delivery platform*

- Built with React and Supabase featuring a dual-build architecture.
- Developed a loyalty ledger and delivery-zone geofencing.

Qooty *Shopping offers & flyers platform (Saudi Arabia)*

- Shipped 5 apps with AI flyer ingestion (Gemini + OpenAI) and advanced SEO infrastructure indexing ~4.8k URLs.

Education

B.Sc. in Software Engineering *Faculty of Electronic Engineering (FEE) — Egypt*

- Graduated as a Software Engineer from the Software Engineering Department.