

Omar Abd El-Hakem

Full Stack Developer · Node.js · React.js · TypeScript · AI Agents

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PROFILE

Full Stack Developer with 3+ years of experience building scalable SaaS and AI-powered web applications using React.js, TypeScript, Node.js, and PostgreSQL. Experienced in modern frontend architecture, REST APIs, Redis caching, BullMQ queues, and cloud deployment workflows. Strong focus on performance, clean architecture, and production-ready systems.

EXPERIENCE

Full Stack Developer

2022 – Present

Freelance / Self-Employed · Remote

- Built and deployed 4+ production-ready web platforms serving real-world use cases (marketplace, e-commerce, content platform).
- Designed RESTful APIs and integrated third-party services including payment gateways and Google Maps API.
- Implemented auth systems, role-based access control, and real-time features via WebSockets.
- Managed full deployment pipelines on AWS App Runner with performance-optimized infrastructure.
- Used Redis for caching, BullMQ for scalable job queues, and Cloudflare/Bunny CDN for delivery.
- Integrated AI Agents and LLM APIs into production applications for intelligent user-facing features.

Frontend Developer (React.js)

2021 – 2022

Personal Projects & Open Source

- Built responsive UIs with React.js, Tailwind CSS v4, TypeScript, and shadcn/ui.
- Integrated AI chatbot interfaces powered by LLM APIs into production apps.
- Maintained Arabic content platforms with custom Blogger XML templating.

KEY PROJECTS

CarXpert Platform

Car marketplace with AI chat assistant, dealer registration, maintenance tracker, and Google Maps. React.js + Node.js + PostgreSQL + Drizzle ORM. Deployed on AWS.

M7x Dev Platform

Multi-feature developer platform with blog system, user management, and dynamic content at scale.

E-Commerce Store

Full product catalog with cart, checkout, and admin dashboard. React.js + Node.js + PostgreSQL + Redis session management.

LockDown Pro (Desktop App)

Python/CustomTkinter Windows app with scheduled lockdown, PIN protection, and auto-hibernate. PyInstaller packaged.

CORE STRENGTHS

- SaaS Architecture
- AI Agent Integration
- Performance Optimization
- Scalable Backend Systems
- REST API Design
- Redis Caching & Queues
- Production Deployment

TECH STACK

Frontend

React.js · TypeScript · Tailwind CSS · Vite · shadcn/ui

Backend

Node.js · Express.js · REST API · PostgreSQL · Drizzle ORM

Infrastructure

AWS App Runner · Redis · BullMQ · Cloudflare · Bunny CDN

Other

Python · Java · Flutter · PHP · Git

AI & AGENTS

LLM API integration · AI chatbot UI
Local LLM (Ollama) · Prompt engineering

EDUCATION

Self-Taught Developer

3+ years continuous learning via online courses and hands-on projects.

LANGUAGES

Arabic — Native · English — Professional

WORK SETUP

Full Remote · Gulf market familiar · Async-friendly