

MOHAMED ZAGHLOUL

FULL-STACK DEVELOPER / AI-FIRST PRODUCT BUILDER

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Date of Birth: 21 October 1976 | Languages: English (professional), Arabic, Romanian (conversational)

PORTFOLIO SHOWCASE / mohamedzaghoul.com



01 / PROFILE

I enjoy turning ideas into useful, well-built products, from early planning and system architecture to the final UI people use. I work across web, mobile, and desktop, building the UI, APIs, services, and data layers that make the product work, then taking it through testing and deployment. I use AI tools such as Codex and Claude to move faster, but I review the output carefully, test critical flows, and make sure the final result is secure, maintainable, and ready for real use.

02 / CORE CAPABILITIES

Frontend & Applications: React, Next.js, TypeScript, HTML, CSS, JavaScript, Flutter, Dart, WPF, XAML

Backend & Integration: Node.js, Express, Supabase Edge Functions, PostgreSQL RPC, REST APIs, services, third-party integrations, realtime and asynchronous workflows

Data & Security: PostgreSQL, SQLite, Supabase, Firebase/NoSQL, Row Level Security, authentication and roles, validation

Delivery & Infrastructure: Git/GitHub, Docker, CI/CD workflows, Vercel, Railway, Cloudflare Pages, deployment, SEO, JSON-LD

AI-Assisted Development: OpenAI Codex and Claude workflows, context planning, task decomposition, generated-code review, iterative validation and refinement

Product Thinking & Systems Design: Product discovery, stakeholder requirement translation, frontend/backend architecture, API and data design, MVP delivery, pragmatic scalability and failure handling

Quality & Risk: Critical-workflow testing, automated browser testing, security and risk review, deployment checks, production-focused iteration

03 / SELECTED PROJECTS

GoFix | [Cross-platform service marketplace](#)

Full-stack marketplace covering provider discovery, booking, chat, subscriptions, notifications, maps, administration, and backend workflow logic.

TECH / Flutter / Dart / Supabase / PostgreSQL RPC / Realtime

Sports Score App | [Windows desktop application](#)

Dual-display sports-day system for live scoring, schedules, results, standings, announcements, and event operations.

TECH / C# 13 / .NET 10 / WPF / SQLite

Taibah Kids | [Cross-platform education application](#)

Multi-role children's education platform for enrollment, class assignment, attendance, homework, activities, notifications, and parent-teacher communication.

TECH / Flutter / Dart / Riverpod / Supabase

KUBE | [Bilingual event-agency website](#)

24-page Arabic/English site generated from a shared content source with custom interaction, performance-aware rendering, and synchronized SEO metadata.

TECH / Node.js / HTML / CSS / JavaScript

ACD Attendance System | [Web attendance system](#)

Role-protected employee check-in and reporting system with imported staff data, PostgreSQL storage, charts, and client-side PDF export.

TECH / Node.js 20 / Express 5 / PostgreSQL

WazNet Solutions | [Bilingual technology website](#)

Multi-service corporate site with custom bilingual routing, technical motion, structured content, and a site-to-presentation delivery pipeline.

TECH / HTML / CSS / JavaScript

04 / EXPERIENCE

CURRENT Independent Software Developer / AI-Assisted Product Engineer

Freelance product development

Take projects from early conversations and requirements through architecture, implementation, testing, deployment, and iteration across web, mobile, desktop, backend, and data layers.

Work directly with stakeholders to turn business needs and operational constraints into practical product decisions, APIs, integrations, and data models.

Use Codex and Claude throughout development to speed up prototyping and feature work, while reviewing generated code, testing critical paths, and addressing security, reliability, and failure scenarios before release.

2016 to 2023 Website & IT Lead

United for Herbs & Spice (Canada)

Created, launched, and maintained the company website while managing web operations and core ICT systems.

2012 to 2016 ICT Local Expert

Farmer Field Schools Centre of Excellence

Implemented websites, web-based documentation platforms, database requirements, and the technical foundation for a digital documentation centre.

2008 to 2012 IT Specialist & Website Designer

Fayoum Farmer Field School Project

Supported website and information-system work, database development, technical infrastructure, backups, and staff computer training.

2004 to 2005 Flash Developer

E-Wave Studios

Programmed interactive Flash applications, e-learning websites, and educational games.

05 / SELECTED TRAINING

2014 Media Design for Social Change

Van Hall Larenstein University (Wageningen, Netherlands)

Professional training focused on media design and communication for social-change contexts.

2004 Web Developing Course

YAT Education Center (Cairo, Egypt)

Formal web development training supporting early professional website and interactive-development work.

06 / FULL-LIFECYCLE DELIVERY METHOD

Discover: Talk through the goal, users, assumptions, constraints, and what success should look like before choosing a solution.

Architect: Shape the product flow, frontend/backend boundaries, APIs, integrations, data model, deployment approach, and sensible failure handling.

Build with AI: Use AI tools to speed up research, prototyping, implementation, and iteration, while keeping technical decisions and responsibility with the engineer.

Validate & Deliver: Review generated output, test critical workflows, check security and edge cases, deploy, observe, document, and improve the product from real feedback.

07 / ADDITIONAL PORTFOLIO PROJECTS

FAS Holding | [Corporate website](#)

SEO-focused corporate site presenting the holding company, subsidiaries, leadership, and partner relationships.

TECH / HTML / CSS / JavaScript

NovaTech | [Bilingual technology website](#)

Bilingual static marketing system for an IT and security integrator, generating service pages and an SEO layer from shared content.

TECH / Node.js / HTML / CSS

Herbania Foods | [Bilingual product catalogue](#)

Romanian/English catalogue for a herbs, spices, seeds, and premium-oils importer and distributor.

TECH / React / Lucide

08 / PORTFOLIO SHOWCASE

Full project case studies, screenshots, videos, architecture notes, and live links: <https://mohamedzaghloul.com/>