

Omar Ashraf

Full-Stack Software Engineer | Database & E2E Systems Specialist

Benha, Egypt

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Portfolio: omar-flax.vercel.app

Summary

Full-Stack engineer and B.Sc. in Computer Science & Artificial Intelligence from Benha University with 3+ years designing and delivering end-to-end web platforms. Experienced in architecting normalized relational databases, scaling systems with secure APIs, and integrating production CI/CD for LMS, e-commerce, QA, and portfolio applications. Skilled at building solutions from requirements gathering to deployment with a focus on performance, clean code, and data integrity.

Core Skills

- **Programming & Full-Stack:** TypeScript, JavaScript, Python, SQL, React, Next.js, Node.js, Tailwind CSS .
- **Databases:** PostgreSQL (including microservices Neon, Supabase), Prisma ORM, MongoDB, Firebase, SQLite
- **Backend & APIs:** REST APIs, Query Optimization, Security (RLS)
- **Frontend:** Next.js, Angular , Laravel , React, Tailwind CSS, Responsive UI/UX
- **Cloud & Deployment:** Vercel, AWS S3, Render, Docker, CI/CD Pipelines, PWA .

Professional Experience

Software Engineer | Navaia.sa | 2024–current | KSA

- Collaborated with backend, frontend, and AI teams as frontend developer, tech solution engineer, and consultant to deliver a QA platform and reporting systems.
- Designed optimized Postgres schemas and integrated MongoDB for handling high-volume data efficiently.
- Led deployments with CI/CD on Vercel .

Tech Solution Engineer | Outlier | 2022–2023 | Remote

- Supported development and integration of data-driven web tools.
- Enhanced system performance by enforcing schema optimizations and implementing caching strategies on API endpoints.
- Collaborated with cross-functional teams to ensure reliable E2E deliveries across multiple environments.

Freelance Full-Stack Developer | Upwork | 2024–Present | Remote (KSA, Hungary, Egypt, Indonesia)

- Designed and delivered production-grade LMS, e-commerce platforms, and portfolio systems for international clients (UAE , EGY , KSA).
- Implemented database schemas, analytics endpoints, and secure API integrations with Prisma ORM .
- Owned delivery lifecycle: requirements gathering, architecture, build, testing, documentation, and deployment.
- Established async workflows, milestone tracking, and managed to link with clients on long-term partnerships.

Frontend Web Tutor (React & Flutter) | Google Developer Student Club | 2021–2022 | Benha University

- Delivered workshops on frontend and mobile development, guiding students in building production-like apps and portfolios.
- Authored tutorials on state management, clean architecture, repository layers, and backend API integration.

Education

B.Sc. Computer Science & Artificial Intelligence
Benha University, Egypt

Languages

Arabic: Native/Bilingual
English: Fluent