

Omar Hafez

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Education

EL Shorouk Academy

Cairo, Egypt

B.S. Computer Science

2023 - 2027 (Expected)

Relevant Coursework: Data Structures & Algorithms, Software Architecture, Advanced Databases, Web Development Engineering.

Leadership & Work Experience

Freelance Full-Stack Developer

Cairo, Egypt

Independent Contractor

2025 – Present

- Architect and deploy high-performance web applications and storefronts utilizing Next.js, React, and Tailwind CSS.
- Design and build scalable backend API architectures using Node.js and Express, with a focus on structured database management (MongoDB, SQL).
- Develop robust user-interaction features, ensuring secure data flow, input validation, and optimal server routing patterns.

Projects

Full-Stack E-Commerce Platform

Storefront Repository: [GitHub](#) | [Live Site](#)

Frontend Developer (Next.js, TypeScript, Tailwind CSS, Shadcn, NextAuth) 2026

- Developed a comprehensive e-commerce storefront with a focus on modern UI/UX utilizing Next.js, Tailwind CSS, and Shadcn components.
- Engineered secure user authentication pipelines implementing NextAuth, JSON Web Tokens (JWT), credential hashing, and OTP verification flows.
- Managed complex client-side application state for dynamic cart operations, checkout processes, and seamless user session persistence.

Social Media & Communication APIs

Backend Repository: [GitHub](#)

Backend Developer (Node.js, Express, TypeScript, MongoDB, GraphQL) 2026

- Architected scalable server-side RESTful APIs handling complex user interactions, supporting 15+ core endpoints for multi-type post reactions, comments, and live notification events.
- Implemented strict security protocols encompassing password hashing, data encryption, and robust input validation to protect user data and account integrity.
- Designed NoSQL schemas in MongoDB for optimized data mapping and integrated initial GraphQL query structures for flexible client-side data fetching.

Skills & Certifications

- **Languages:** TypeScript, JavaScript, Python, HTML5/CSS3, NoSQL.
- **Frameworks & Libraries:** Next.js, React.js, Node.js, Express.js, Tailwind CSS, NextAuth.
- **Databases & Tools:** MongoDB, Redis, GraphQL, Git/GitHub, Postman, Vercel.
- **Certifications:** Frontend Web Development, Route Academy (Certified by Egyptian Engineers Syndicate) | Backend Web Development (In Progress).