

ALI HASSAN

Fullstack Developer

☎ (+20)100 062 7666 ✉ alghost2004@gmail.com [linkedin.com/in/ali-hegazy](https://www.linkedin.com/in/ali-hegazy)
🐙 github.com/khemu1 🌐 my-portfolio.vercel.app 📍 Alexandria, Egypt

Summary

Fullstack Developer proficient in both **React/Next.js (Frontend)** and **Node.js/Express (Backend)** with TypeScript. Builds end-to-end solutions featuring **RESTful APIs, real-time WebSockets, and ORMs (Prisma/Sequelize)**. Implements robust validation (**Zod/Yup**) and secure authentication (**JWT/OAuth**). Advocates for performance optimization across the stack, from **Tailwind CSS** interfaces to **PostgreSQL/MongoDB** query tuning.

Education

Egyptian E-Learning University

Bachelor of Computer Science

Sep. 2022 – May 2026

Alexandria, Egypt

Certifications & Courses

Advanced Node.js: Node.js Internals, Redis, AWS S3, CI/CD

2025

Udemy — Instructor: Stephen Grider

Node.js: REST & GraphQL APIs, Cloud Deployment

2025

Udemy — Instructors: Andrei Neagoie, Adam Odziemkowski

Experience

Syntax Error | *Next.js*

Oct 2024 – Jan 2025

Fullstack Developer

Freelance

- Built a course platform with dynamic quizzes, admin tools, and secure subscriptions using Next.js (TypeScript).
- Used Prisma + PostgreSQL for optimized queries and robust schema design.
- Secured sessions via JWT + HTTP-only cookies; validated inputs with Zod.
- Integrated Imgur for image uploads and offloaded tasks to Cloudflare Workers.

Prime Academy | *React.js, Node.js*

Feb 2025 – Present

Fullstack Developer

Freelance

- Built a modern E-learning platform with React, featuring video playback, interactive quizzes, real-time chat, and an admin dashboard.
- Developed scalable REST APIs with Express.js and handled file uploads via Cloudflare R2.
- Implemented secure user authentication using JWT and role-based access control.
- Used Drizzle ORM with MySQL to model and manage relational data efficiently.
- Set up Docker and Nginx to streamline development, testing, and deployment workflows.

Projects

Omni Store | *React.js, Express, MongoDB, TypeScript*

- Built a full-featured e-commerce platform with authentication, cart, wishlist, and product management.
- Developed RESTful APIs using Express; secured user sessions with JWT and HTTP-only cookies.
- Optimized backend performance using MongoDB indexing and efficient query design.
- Designed a responsive UI with Tailwind CSS, Headless UI, and React Router.

Survey Builder | *React.js, Express, PostgreSQL*

- Engineered a real-time collaborative survey platform with WebSocket synchronization.
- Validated client-side inputs using Zod and enforced data integrity via Sequelize on the backend.
- Built a multilingual interface using Redux, DaisyUI, and responsive layout techniques.
- Handled secure session management and API protection with custom middleware.

Blogy | *Next.js, PostgreSQL, Redis*

- Developed a Markdown-powered blogging platform with live preview and chunked image uploads via FilePond.
- Integrated JWT-based authentication, role-based authorization, and Zod validation.
- Employed Redis for request rate limiting to mitigate abuse.
- Wrote unit and integration tests using Jest and automated CI/CD via GitHub Actions.

Space Launch System | *Node.js, Express, MongoDB, React.js, TypeScript*

- Developed a full-stack platform for managing space launches and habitable exoplanets using NASA and SpaceX APIs.
- Implemented features for scheduling, aborting launches, and filtering exoplanet data.
- Handled data ingestion using CSV-parser and ensured process reliability with PM2.
- Dockerized the application and deployed it on AWS EC2 for scalable hosting.

Soft Skills

Communication

Team Collaboration

Time Management

Problem Solving

Adaptability

Critical Thinking

Self-motivation

Integrity

Technical Skills

Languages: JavaScript, TypeScript

Frontend Technologies: React.js, Next.js, Tailwind CSS, ShadCN, Redux, Zustand, React Query

Backend Technologies: Node.js, Express.js, Next.js (API Routes), WebSockets, Server-Sent Events (SSE), GraphQL, Redis

ORMs & Databases: Prisma, Sequelize, Drizzle, TypeORM, PostgreSQL, MongoDB, MySQL, SQLite

Authentication & Security: JWT, OAuth2, HTTP-only cookies, Zod, Yup

Testing & Automation: Jest, Puppeteer

Developer Tools: VS Code, Git, Postman, Bun, Cloudflare Workers, Docker, PM2

Cloud & Deployment: Vercel, AWS (S3), Nginx

Languages

Arabic: Native

English: Intermediate