

ALI HASSAN

Fullstack Developer

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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 <i>Bachelor of Computer Science</i>	Sep. 2022 – May 2026 <i>Alexandria, Egypt</i>
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Certifications & Courses

Advanced Node.js: Node.js Internals, Redis, AWS S3, CI/CD <i>Udemy — Instructor: Stephen Grider</i>	2025
Node.js: REST & GraphQL APIs, Cloud Deployment <i>Udemy — Instructors: Andrei Neagoie, Adam Odziemkowski</i>	2025

Experience

Syntax Error Next.js <i>Fullstack Developer</i>	Oct 2024 – Jan 2025 <i>Freelance</i>
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- 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 <i>Fullstack Developer</i>	Feb 2025 – Present <i>Freelance</i>
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- 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