

AMR ABDELHALIM

Backend-Focused Full-Stack Web Developer

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PROFESSIONAL SUMMARY

Full-Stack Web Developer with equally strong front-end engineering (React, TypeScript, Tailwind CSS, Astro) and back-end skills across Node.js, Express, and REST APIs. Proficient in authentication systems (JWT, bcrypt, HttpOnly cookie sessions) and Docker-based delivery (multi-stage builds, docker-compose, CI/CD to GitHub Container Registry), demonstrated across six end-to-end projects — including a photo-sharing platform with secure cookie-based auth and a fully containerized deployment pipeline, and a real-time chat app built with Socket.IO. Also built a GraphQL API for an event-booking platform. Currently deepening GraphQL and expanding into Playwright while completing a Postgraduate Diploma in Computer Science. Looking to join a team as a Full-Stack Developer to own both interface and API/data architecture end to end.

CORE TECHNICAL SKILLS

Back-End: Node.js, Express.js, REST APIs, API routing, controllers, middleware, validation, JWT/bcrypt authentication, HttpOnly cookie-based sessions

Front-End Engineering: HTML, CSS, Sass, JavaScript, React, Bootstrap, TypeScript, Astro, Tailwind CSS — responsive, accessible, production-ready interfaces

Full-Stack: Next.js, server-backed state, protected routes, API integration; hands-on GraphQL (Apollo) from a production project

Databases: MongoDB, Mongoose, SQLite, Sequelize, PostgreSQL — relational and document-based data modeling

Delivery & Tooling: Docker (multi-stage builds, docker-compose, CI/CD to GitHub Container Registry), Git, GitHub, npm, Vite, Webpack, Vitest

SELECTED BACKEND & FULL-STACK PROJECTS

Movies API | Node.js, Express, REST API, Sequelize, SQLite, JWT, bcrypt 2025

Skills demonstrated: Node.js, Express, REST API design, Sequelize ORM, JWT authentication

- Built a backend-focused REST API for movies, users, reviews, and watchlists with organized routes, controllers, models, and validation layers.
- Implemented JWT authentication and bcrypt password hashing across database-backed application flows.
- Modeled and persisted relational data with Sequelize/SQLite, keeping the project API-first and integration-ready.

Event Booking Platform | Node.js, Express, Apollo GraphQL, MongoDB, Mongoose, React, TypeScript, Docker

Skills demonstrated: MongoDB/Mongoose data modeling, authenticated product flows, hands-on GraphQL API implementation with Apollo

- Built a full-stack event booking application with a separated React client and a Node/Express GraphQL server.
- Modeled users, events, and bookings in MongoDB/Mongoose, exposing schema-driven operations for creation, discovery, booking, and history.

Photo Sharing Web App | Next.js, TypeScript, MUI, MongoDB, Mongoose, JWT, bcrypt, Docker, Vitest 2026

Skills demonstrated: HttpOnly cookie authentication, Repository/Strategy design patterns, multi-stage Docker builds, CI/CD to GHCR

- Built a full-stack photo-sharing app with live camera capture (getUserMedia), a community feed, likes, and profile management backed by MongoDB/Mongoose.
- Implemented JWT + bcrypt authentication with HttpOnly cookies and server-side session invalidation, migrating away from localStorage to reduce XSS exposure.
- Containerized the app with a multi-stage Dockerfile (non-root user, healthcheck) and docker-compose, with CI/CD publishing to GitHub Container Registry; covered by 275 Vitest/Testing Library tests.

PWA Notes App | Next.js, TypeScript, Node.js, MongoDB, Mongoose, PWA, Vitest, Docker 2026

Skills demonstrated: PWA architecture, MongoDB data modeling, automated testing foundations (Vitest)

- Built a productivity-style notes app with authentication, persistent user data, rich editing, and mobile-focused, installable screens.
- Structured user-specific data and application state with MongoDB/Mongoose and added a Vitest testing foundation.

Real-Time Chat App | Node.js, Express, MongoDB, Mongoose, Socket.IO, JWT, React, React Native, Expo, Docker

Skills demonstrated: WebSocket/Socket.IO real-time systems, cross-platform delivery (web + mobile)

- Built a real-time chat platform with authenticated users, profile screens, and a backend-driven conversation flow.
- Used Socket.IO with an Express/MongoDB backend to support interactive, real-time messaging behavior.

Recipes Social Mobile App | Node.js, Express, Sequelize, PostgreSQL, Ionic, React, TypeScript, Docker 2026

Skills demonstrated: PostgreSQL relational modeling, Ionic mobile-first delivery

- Built an API-connected, mobile-first recipes app with feed, detail, creation, comments, likes, and profile screens.
- Implemented an Express/Sequelize/PostgreSQL server with routes for accounts, posts, comments, and likes.

CERTIFICATIONS

JavaScript Application Development Course — Hsoub Academy, Apr 2026

Docker From Zero To Hero — Udemy, Mar 2026

Master Git & GitHub: Essential Skills for Developers — Udemy, Mar 2026

Front-End Web Development Course — Hsoub Academy, Mar 2025

EDUCATION

Postgraduate Diploma in Computer Science — Information Systems & Technology

Faculty of Graduate Studies for Statistical Research, Cairo University | 2025 – Present

Bachelor's Degree in Islamic Theology (Aqidah/Fundamentals of Religion)

Al-Azhar University | 2024