

Ahmed Nada

Full Stack Developer

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Summary

Full Stack Developer specializing in the MERN stack (MongoDB, Express.js, React.js, Node.js) with strong experience in building scalable and responsive web applications. Experienced in developing end-to-end platforms including multi-page business websites, admin dashboards, and secure authentication systems. Skilled in designing RESTful APIs and optimizing application performance to deliver production-ready solutions.

Education

Bachelor of Computer Science and Artificial Intelligence
Alamein University, Alamein, Egypt

Oct 2022 – May 2026
(Expected)

Work Experience

Full Stack Web Developer

Oct 2024 – May 2025

Alexandria Petroleum Company Website

- Designed and developed a full-stack company website (27+ pages) with a custom admin panel for managing content and company updates.
- Built the system using HTML, JavaScript, Tailwind CSS, Node.js, Express.js, and MySQL.
- Implemented authentication and authorization for the admin panel with secure login and password hashing.
- Applied security best practices including rate limiting per IP for the contact form, input validation, and structured error handling.
- Optimized performance using lazy loading, compression, CDN integration, and SEO best practices.
- Deployed and configured the production environment on Linux servers following security recommendations.

Full Stack Developer (Contract Project)

Feb 2025 – Jul 2025

Jansoir — Full-stack E-commerce Platform

- Developed and delivered a full-stack e-commerce platform for a client using the MERN stack (MongoDB, Express.js, React.js, Node.js).
- Implemented JWT + OAuth (Google/Facebook) authentication, role-based access control (user/admin), and a dedicated admin panel for managing categories, products, orders, coupons, and governorate-based shipping.
- Architected a secure backend using Helmet, rate limiting, express-validator, and bcrypt for password hashing.
- Optimized images on-the-fly with Sharp (WebP/AVIF) and a custom “Customize” product-request flow supporting photo uploads.
- Developed an event-based analytics pipeline with UTM tracking, server-side deduplication, and

idempotency.

- Delivered a responsive, performance-focused frontend with lazy-loaded routes/components and progressive Swiper carousels.

Skills

Languages: JavaScript (ES6+), TypeScript, HTML5, CSS3, Java, Python, SQL

Frontend: React.js, Next.js, Tailwind CSS, Bootstrap, Redux, Zustand, React Router, Swiper.js, Chart.js

Backend: Node.js, Express.js, RESTful APIs, GraphQL, JWT Authentication, OAuth (Google, Facebook), WebSockets

Database: MongoDB, MySQL, PostgreSQL

DevOps & Deployment: Vercel, Render, Heroku, AWS (S3, EC2), PlanetScale, Docker, CI/CD

Tools: Git, GitHub, GitLab, Postman, VS Code, Figma (UI/UX), Chrome DevTools, ESLint, Prettier

Testing: Jest, React Testing Library, Supertest, Cypress

Soft Skills: Leadership, Client Communication, Collaboration, Time Management, Analytical Thinking, Problem-Solving, Creative Thinking

Projects

AlzCare — AI-Powered Healthcare System for Alzheimer Patients
(Graduation Project)

Sep 2025 – Present

- Develop a comprehensive healthcare platform supporting **100+ patients, families, and doctors**, including interactive frontend, backend API, and AI face recognition system.
- Build responsive frontend with React 18 + Vite, Tailwind CSS, GSAP & AOS animations, Three.js 3D visualizations, and lazy loading, achieving **<2s page load times** across devices.
- Develop backend with Node.js + Express, MongoDB, JWT authentication, and bcryptjs; handle **5,000+ dynamic records** with secure data management.
- Implement AI features using Python FastAPI and PyTorch: face recognition models (ArcFace, FaceNet, VGGFace2) with **95%+ accuracy**, HNSW ANN for fast searches, smart voice interaction, medication reminders, mood monitoring, and emergency button.
- Optimize system performance via code splitting, minification, caching, image optimization, and SEO enhancements (Meta tags, Open Graph, Structured Data), resulting in **40% faster response times**.