Hossam Ahmed Arafat

Software Engineer | Full-Stack Develpoer

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I'm a Full-Stack Developer with hands-on experience building end-to-end web applications using the MERN stack (MongoDB, Express.js, React.js, Node.js). Skilled in designing and implementing RESTful APIs, managing databases, and developing responsive, user-friendly interfaces. Highly motivated to understand technologies in depth, continuously improving through courses and practical projects.

Education

Bachelor of Computers and Artificial Intelligence at Beni-Suef University, Beni-Suef, Egypt

September 2022 - July 2025

Skills

Front-End: HTML5, CSS3, JavaScript (ES6+), Bootstrap, React Bootstrap, Tailwind CSS, Material UI, React.js, React Router DOM, Redux, Next.js, Basic Angular (Components, Modules, Routing, Services), Responsive UI Design & Component-Based Architecture, and State Management

Back-End: Node.js, Express.js, Authentication & Authorization (JWT, OAuth), Middleware, Routing, MongoDB (CRUD Operations, Aggregation, Mongoose ORM), Error Handling, Validation, and Security Best Practices

Other Tools & Skills: Git & GitHub, Postman (API Testing), Deployment, Basic Linux & Command Line, Continuous Learning & Deep Understanding of Core Concepts

Projects

E-commerce – (Node.js) • ↗

Project: E-Commerce RESTful APIs

Description: A complete backend API for an online store supporting both mobile and web applications. It includes secure user authentication and authorization, password reset, and email confirmation. It includes a validation layer. The system features product management with advanced search, sorting, filtering, and pagination, supports multiple image uploads, and provides shopping cart, wishlist, rating, and discount coupon functionalities. Integrated payment options include Stripe and Cash on Delivery.

Postly – (React.js + Node.js) • ↗

Project: Full-Stack Social Media Platform

Description: A complete social networking platform built with the MERN stack, supporting both web and mobile clients. It provides secure and seamless authentication using Clerk, real-time communication, and optimized media handling. Background tasks are managed with Inngest for scalable performance. The system includes user profiles, discovering, following, friend requests, posts, stories, and a live chat system.

MyRecipe – (React + Node.js) • ↗

Project: Full-Stack Recipe Sharing App

Description: A full-stack recipe sharing application built with React (Vite) and Node.js. It includes secure user authentication with JWT, and allows users to create, update, delete, and browse recipes with image uploads. Users can like recipes, view their own recipes, and save favourites. The backend provides protected routes, data validation, and complete CRUD operations, while the frontend offers a simple and responsive user interface.

HMS – (Node.js) • ↗

Project: Full-Stack Hospital Management System

Description: A Hospital management web application with both frontend views and backend logic. The system manages doctors, patients, departments, and appointments, allowing admins to perform full CRUD operations, search records, and manage hospital data through an easy-to-use interface. It also supports user signup, login, password reset, and profile management.

E-commerce – (React.js) • ↗

Project: E-Commerce Frontend (Dashboard & Website)

Description: A Frontend interface for an e-commerce platform, including both admin dashboard and customer website. The system connects to a backend API for user authentication, product management, category listing, cart handling, and Google login integration. The dashboard allows managing users, products, and categories, while the website offers product browsing, cart management, and dynamic pages for top-rated and latest items.

Admin dashboard – (React.js) • ↗

Project: React Admin Panel (Dashboard)

Description: A modern admin dashboard built with React and Material UI, featuring reusable components and multiple data-driven pages. The project includes a responsive sidebar, team and contacts management pages, an invoices table, a fully validated form, an interactive calendar, and UI elements like accordions. It also features multiple charts—including bar, pie, line, and geography visualizations—along with a main dashboard page that displays key analytics and insights.

Blog App – (Next.js) • ↗

Appointment App – (Next.js) • ↗

Languages

Arabic - Fluent

English - Conversational

Soft Skills

Rapid Learning
Quickly adapts to new technologies and frameworks through self-study and practice.

Teamwork
Gained hands-on experience in collaboration and leadership as the team leader of my graduation project at FCAI, where I successfully managed a large-scale industrial unit distribution and installation project, earning an Excellent Grade.

Time Management
Balances multiple projects, deadlines, and learning objectives efficiently