

Mohamed Elsayed Ahmed

MERN STACK DEVELOPER

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Summary

MERN Stack Developer with 1 year of experience building full-stack web applications. Skilled in creating responsive React interfaces, developing Node.js/Express backend services, and managing MongoDB databases. Experienced in secure authentication, performance optimization, and CI/CD deployment. Strong problem-solving skills with a track record of delivering projects on time while maintaining clear communication with clients.

Education

Alexandria University, Alexandria, Egypt

Bachelor of Computing and Data Science | 2021-2025 | **Graduated**

Experience

Freelance Full Stack Developer (2025 – Present)

***Patria* – Restaurant Management System – Full Stack Contributor**

My contributions included:

- Implemented CRUD operations for categories, products, subcategories, locations, and ingredients.
- Developed site-wide offers feature and order management system that calculates order time and tracks order status.
- Worked on both frontend and backend using React.js, Node.js, Express, and MongoDB.

 Live Demo: **Patria**

***Wrdya* – HR System – Frontend Developer**

My contributions included:

- Built full frontend functionality: dashboards, employee management, leave & attendance modules.
- Developed penalties feature to track and manage employee infractions within the HR system.
- Integrated API endpoints, handled form validations, and optimized UI/UX for smooth user experience.

•  Live Demo: **Wrdya**

Backend Developer Intern (Mar 2024 – Jul 2024)

***H2M Marketing Company* – NodeJS Developer - remote**

A marketing company specializing in custom application development for diverse business needs.

- Implemented JWT authentication and Role-Based Access Control (RBAC) to ensure scalable and secure user verification, enhancing system security by 20%.
- Improved API performance and optimized database queries, achieving a 10% increase in system efficiency, while gaining hands-on experience with version control, API testing (Postman), and Agile collaboration tools.

Skills

Frameworks & Technologies:

Node.js, Express.js, React.js, RESTful API Development, JWT Authentication, MVC Architecture, Stripe Payment Integration, Unit Testing, Cloud Computing.

Programming Languages & Core Concepts:

JavaScript, TypeScript, Object-Oriented Programming, Data Structures & Algorithms, SOLID Principles.

Databases & ORMs:

MongoDB, PostgreSQL, MySQL, Mongoose, Database Design & Management.

Version Control & DevOps Tools:

Git, Docker, AWS, CI/CD Pipelines, Deployment (cloud & on-premise), Postman, Agile.

Soft Skills:

Research-Scientific, Team Leadership and Collaboration, Knowledge Transfer, Communication & Public Speaking.

Projects

Scanalyze – AI-Powered Medical Diagnostics System | Jun 2025 | Graduation Project

Repository: [GitHub Link](#)

Contributed to the backend development of a full-stack healthcare diagnostics platform with the following features:

- JWT-based authentication with role-based access for patients, technicians, receptionists, and admins.
- Automated WhatsApp OTP verification for secure registration and password reset.
- AI-assisted medical report generation using ResNet50 and MedGemma-4B models.
- API integration with a bilingual medical chatbot powered by RAG and Apollo-7B.
- Scan and lab test management with upload functionality and patient-matching logic.
- WhatsApp-integrated notification system for real-time updates and verification flows.
- Deployed a CI/CD pipeline on Azure with GitHub for automated backend deployment.

E-commerce Platform with Admin Dashboard | Jan 2025

Repository: [GitHub Link](#)

Developed the complete backend for a scalable e-commerce platform, featuring:

- JWT-based authentication for secure user login and role management.
- Stripe integration for seamless online payments.
- Product image upload functionality using Multer and Sharp.
- Advanced product search, filtering, and pagination for enhanced user experience.