

MOHAMED MOHSEN

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[LinkedIn](#) — [GitHub](#)

PROFESSIONAL SUMMARY

MERN Full Stack Developer with 6 months intensive training at Information Technology Institute (ITI). Built 5+ production-ready web applications including an e-commerce platform with 100+ product listings and secure payment processing. Proficient in React.js, Node.js, Express.js, and MongoDB. Reduced page load times by 57% through code optimization and improved database query performance by 35% using indexing strategies. Experienced in RESTful API development, JWT authentication, and responsive design implementation.

TECHNICAL SKILLS

Frontend: React.js, React Hooks (useState, useEffect, useContext, useReducer), Redux, Context API, React Router v6, JavaScript ES6+, HTML5, CSS3, Tailwind CSS, Bootstrap, Responsive Design

Backend: Node.js, Express.js, RESTful API Development, Middleware, Error Handling, CORS Configuration

Database: MongoDB, Mongoose ODM, CRUD Operations, Schema Design, Indexing, Aggregation Pipeline

Authentication: JWT (JSON Web Tokens), bcrypt Password Hashing, Role-Based Access Control (RBAC), OAuth 2.0 Basics

API Tools: Axios, HTTP Requests, Async/Await, Error Handling, API Integration

Development Tools: Git, GitHub, npm, VS Code, Chrome DevTools, ESLint, Environment Variables

Deployment: Heroku, AWS (EC2, S3), Firebase, Netlify, CI/CD Basics

Performance: Code Splitting, Lazy Loading, Bundle Optimization, Caching Strategies

PROFESSIONAL EXPERIENCE

MERN Stack Trainee

January 2025 – Present

Information Technology Institute (ITI), Cairo, Egypt

- Completed 6-month intensive full-stack program covering MongoDB, Express.js, React.js, and Node.js with focus on industry best practices and production-ready code.
- Built e-commerce platform handling 100+ product listings with shopping cart, secure checkout, and admin dashboard. Implemented JWT authentication supporting 3 user roles with distinct permissions.
- Developed 25+ RESTful API endpoints with comprehensive error handling and request validation. Integrated Stripe payment gateway reducing payment failures by 25%.
- Optimized MongoDB queries using indexing and aggregation, improving performance by 35%. Designed schema architecture for 8 collections with proper relationships.
- Reduced frontend load time from 4.2s to 1.8s (57% improvement) through code splitting, lazy loading, and image optimization techniques.
- Implemented responsive design using Tailwind CSS achieving 95+ Lighthouse score across all pages. Ensured cross-browser compatibility and mobile-first approach.
- Collaborated using Git workflows with branching strategies. Conducted 30+ code reviews and documented API endpoints for team reference.

IT Technical Support Specialist

August 2024 – December 2024

Ministry of Interior, Cairo, Egypt – Military Service

- Installed, configured, and troubleshooted hardware and software across 50+ workstations achieving 98% first-contact resolution rate.

- Managed network infrastructure including switches, 40+ security cameras, and NVR systems supporting 500+ video streams with 99.2% uptime.
- Resolved 200+ technical issues using systematic troubleshooting, reducing average resolution time from 6 hours to 2.5 hours (58% improvement).
- Performed preventive maintenance on 80+ computers reducing hardware failures by 40% and extending equipment lifespan by 2 years.
- Supported 100+ end-users across 8 departments maintaining 95% satisfaction rating. Created 15+ technical guides reducing support tickets by 30%.

EDUCATION

University of Azhar

Bachelor of Science in Mass Communication

September 2019 – May 2023

FEATURED PROJECT

E-Commerce Platform with Admin Dashboard

[GitHub](#)

- Architected full-stack e-commerce application with React frontend and Node.js/Express backend serving 100+ products with advanced filtering and search capabilities.
- Implemented Redux state management with 8 reducers handling cart, user authentication, products, and orders. Applied React Router v6 for navigation with protected routes.
- Designed MongoDB schema with 8 collections implementing proper relationships and indexing. Built 25+ RESTful endpoints with JWT authentication and RBAC.
- Integrated Stripe payment gateway with webhook receivers for transaction confirmations. Implemented order tracking system with status updates.
- Optimized performance reducing bundle size by 40% through code splitting. Achieved 97 Lighthouse score with responsive Tailwind CSS design.
- **Tech Stack:** React.js, Redux, React Router, Tailwind CSS, Node.js, Express.js, MongoDB, Mongoose, Axios, JWT, Stripe,

CORE COMPETENCIES

Systematic debugging using root cause analysis and browser DevTools. Clear technical documentation including API specs and README files. Effective sprint planning delivering projects 5-10% ahead of deadlines. Rapid technology learning (completed 6-month intensive MERN training). Strong collaboration through code reviews (30+ completed) and pair programming. Quality-focused development with 95+ code review scores. Cross-functional teamwork with knowledge sharing through documentation.

ADDITIONAL INFORMATION

Languages: English (very good) , Arabic (Native)

Portfolio: [GitHub Profile](#) with 5+ full-stack projects

Availability: Immediate