Mahmoud Othman
MERN Stack Developer

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Professional Summary

MERN Stack Developer
MERN Stack Developer with 3+ years of practical experience in building scalable and secure web applications using React.js, Next.js, Node.js, Express.js, and MongoDB. Strong experience in RESTful APIs, authentication systems, real-time applications using Socket.io, and clean MVC architecture. Passionate about writing maintainable code and building real-world production-ready systems.

Skills

HTML, CSS, JavaScript (ES6+), TypeScript, Bootstrap, React.js, React Query, Next.js, Node.js, Express.js, MongoDB, REST APIs, MVC Architecture, Socket.io, Git, GitHub

Professional Experience

MERN Developer - Freelance   Aug 2023 – present
- Developed responsive and high-performance user interfaces using React.js and Next.js, following modern frontend best practices.
- Designed and implemented RESTful APIs using Node.js and Express.js.
- Built secure authentication and authorization systems using JWT and bcrypt.
- Designed and optimized MongoDB schemas and queries using Mongoose.
- Implemented real-time features using Socket.io.
- Integrated file uploads, email services, and PDF generation to meet real business requirements.

Projects

E-Commerce Platform, Store App Website ✎   2024
Technologies: React.js, Node.js, MongoDB, Slugify, React Query.
- Built a secure e-commerce system with authentication and role-based access.
- Implemented real-time order status updates using Socket.io.
- Added features for order tracking, product reviews, password recovery, and email notifications.
- Designed scalable backend architecture to support future payment integration.

TREND, Medical Booking System ✎   2024
Technologies: React.js, Node.js, JWT, Passport, Bcrypt, Multer, Cloudinary, Joi, PDFKit.
- Developed a medical booking platform for lab tests and radiology services.
- Implemented an approval workflow system for service providers.
- Built an admin dashboard to manage users, services, prices, and reports.
- Generated invoices and reports dynamically in PDF format.
- Implemented secure authentication and full data validation.

Inventory & Consumption Tracking System ✎   2025
Technologies: React.js, Node.js, Nodemailer, Exceljs, Puppeteer-core.
- Developed a system for inventory management across multiple branches.
- Implemented stock transfers, consumption tracking, and order processing.
- Ensured secure authentication and full CRUD operations with validation.

Personal Portfolio Website 🔗   2025
   Technologies: React.js.
   - Designed and developed a responsive personal portfolio website.
   - Showcased projects, technical skills, and professional experience with a clean and optimized UI.

Courses

Full Stack Web Development (MERN Stack)   Jun 2023 – Mar 2024
Route Academy

Education

Diploma in Microbiology & Virology   2017
Beni Suef University

Bachelor of Agriculture Science   2012
Fayoum University

Languages

Arabic — Native/Bilingual   **English** — Conversational