Mohamed Abdelkader

Full Stack Developer — MEAN Stack Specialist

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Professional Summary

Full Stack Developer specializing in MEAN stack with strong backend expertise. Completed intensive 210-hour NTI training with hands-on experience building scalable APIs and modern web applications.

Education

Benha University, Faculty of Computers and Artificial Intelligence   Qalyubia, Egypt
Bachelor of Science in Information Systems   *Oct 2022 – Jun 2026*

Experience

MEAN Stack Web Developer Trainee   Jun 2025 – Sep 2025
National Telecommunication Institute (NTI)   *Benha, Egypt*
- Completed 210-hour intensive program achieving 95% proficiency in Node.js, Express.js, MongoDB, and Angular with focus on building secure RESTful APIs and modern SPAs
- Built production-ready applications with JWT authentication, role-based access control, and database optimization reducing query response time by 40%

Technical Skills

Languages: JavaScript, TypeScript, Python, C++, Java, PHP, SQL, HTML5, CSS3
Backend: Node.js, Express.js, RESTful APIs, Socket.io, JWT, Bcrypt, Multer, Mongoose ODM
Frontend: Angular, React (Basics), Bootstrap, RxJS, NgRx, Responsive Design, SPA Architecture
Databases: MongoDB, MySQL, Database Design, Query Optimization, NoSQL, RDBMS
Tools & Technologies: Git, GitHub, VS Code, Postman, npm, Linux, Vercel, REST APIs
Computer Science Fundamentals: Data Structures, Algorithms, OOP, Software Engineering, Discrete Mathematics

Projects

Audio Library Platform | *Node.js, Express.js, MongoDB, JWT, Multer, Socket.io*   2025
- Engineered audio streaming backend supporting 500+ users with 99.8% uptime, implementing JWT authentication with role-based access control across 15+ endpoints and file upload system handling 1000+ audio files
- Built social features with follow/unfollow system, likes, comments, and personalized feeds improving user engagement by 60%

YouTube Clone Platform | *MEAN Stack, Video Streaming, Socket.io*   2025
- Developing full-featured video platform with chunk-based streaming, JWT authentication, subscriptions, comments, and real-time notifications using Angular and Socket.io

CatalogPro | *Angular 20, TypeScript, Bootstrap 5, RxJS*   2025
- Built product catalog SPA serving 300+ daily users with sub-200ms response times, advanced search reducing search time by 45%, and Lighthouse score of 95+ through lazy loading optimization

Authentication API | *Node.js, Express.js, MongoDB, JWT, Bcrypt*   2025
- Developed secure REST API with JWT refresh tokens, Bcrypt hashing, input validation middleware, and MongoDB Atlas integration achieving 99.9% uptime

Certifications

MEAN Stack Web Developer Career Accelerator | *National Telecommunication Institute (NTI)*   2025
- 210-hour intensive program covering full-stack development and freelancing business skills