

Mohamed Hamdy Salem

MERN Developer

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PROFESSIONAL SUMMARY

Junior MERN Stack Developer with 2 years of hands-on experience in React and Node.js, contributing to real-world applications within a software development company. Passionate about writing clean, efficient code and continuously enhancing technical and problem-solving skills to deliver impactful digital solutions.

PROFESSIONAL EXPERIENCE

ABS.ai - MERN Stack

2025 - Present

Full time

- Participating in the development of real-world web applications using modern JavaScript frameworks
- Working on both frontend (React.js) and backend (Node.js, Express) tasks in an agile environment
- Collaborating with the development team on API integration, debugging, and code reviews

Nass Academy - Web developer Teacher

2024 - 2025

full time

- Teaching core computer science subjects including Programming Fundamentals, OOP, Data Structures, and Databases
 - Delivering hands-on training in full-stack web development using React.js and Node.js
 - Guiding students through real-world projects to prepare them for careers in the tech industry
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EDUCATION

Bachelor of Computer Science

Faculty of Computers and Information, Ain Shams University | Sep 2019 - May 2024

TECHNICAL SKILLS

- **Programming Languages:**
 - **Primary:** JavaScript
 - **Additional:** C#, C++, Python, Dart, Java
 - **Frontend Technologies:**
 - React JS, Redux, HTML5, CSS3, Bootstrap, Material UI ,Tailwind css
 - **Backend:**
 - Node.js, Express
 - **Databases:**
 - MongoDB, MySQL
 - **Tools & Technologies:**
 - Restful API, JWT, Git, GitHub
 - **Development Methodologies:**
 - Agile methodology
 - **Other Skills:**
 - OOP, Data Structures, Algorithms, Design Principles, Design Pattern, Machine Learning, Deep Learning
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PROJECTS

Deep Fake Media detection

- Developed a web app using React and Node.js for detecting fake images and videos, achieving over 95% accuracy.
- Integrated Xception model for image detection and MobileNet model for video analysis using TensorFlow and OpenCV.

School Finder

Full-stack multilingual dashboard for managing schools, users, applications, and events.

Tech Stack: React.js, React Router, Tailwind CSS, Formik, React Query, i18next, Redux, Axios, Node.js, Express.js, MongoDB

- Built a responsive admin panel with full Arabic/English support using i18next
- Developed secure RESTful APIs with Express.js and MongoDB to manage schools, fees, applications, and events
- Used React Query for efficient data fetching and caching
- Implemented complex form handling and validation with Formik
- Applied token-based authentication and role-based access control across the platform
- Designed flexible data models to support dynamic school structures and fee configurations

Mazqe ElLahim

A mobile and web application for selling and delivering fresh, chilled, and frozen meat. The platform allows users to select meat types, customize cuts, pay online, and get fast, safe delivery to their doorstep.

I contributed to designing and developing the user interface using React.js and Tailwind CSS, integrating with backend APIs for product display and order management, and implementing bilingual (Arabic/English) support for an enhanced user experience.

Resaltk

An interactive web platform designed to facilitate online master's thesis discussions between professors and students.

Professors can manage sessions, provide feedback, evaluate theses, and communicate directly with students, while students can upload files and track committee comments.

Contributed to developing the user interface using React.js and Tailwind CSS, integrating with APIs for data and file management, and implementing bilingual support for better user experience.