Mohamed Emad

Software Engineer

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Full Stack Web Developer (MERN Stack) with strong experience in building and deploying scalable web applications using MongoDB, Express.js, React.js, and Node.js. Skilled in both frontend and backend development, database optimization, and API design. Led a cross-functional team in a graduation project focused on autism therapy applications, which won 2nd place in the AZENS Engineering Projects Competition Currently working as a Search Engine Evaluator (Microsoft UHRS), contributing to AI-driven data quality. Passionate about problem-solving, leadership, and creating innovative software solutions that deliver real social and health-tech impact.

EDUCATIONAL BACKGROUND

Bachelor's Degree in Computer and Information Engineering zagazig-Egypt
Zagazig University   2021 – 2025

PROFESSIONAL EXPERIENCE

Full-Stack Web Developer (MERN Stack)   zagazig-Egypt
Tech Solutions Inc.   2024 – Present

Designed and developed a full-stack web application for autism therapy management using MongoDB, Express.js, React.js, and Node.js.

Built and deployed RESTful APIs for communication between parents and specialists, improving response times by 40%.

Developed frontend interfaces with React.js to enhance user experience for parents and therapists.

Led a cross-faculty team (Computers & Information + Disability & Rehabilitation), acting as team leader and backend owner.

Integrated real-time communication features using WebSockets for chat and activity assignment.
Built several small-scale projects using MERN Stack to strengthen practical skills and deliver real-world solutions

Developed a movie website with search and filtering features.

Created an e-commerce platform supporting product browsing, cart management, and checkout flow.

Designed and deployed responsive web applications with attention to scalability, UI/UX, and database performance

Gained hands-on experience in Git/GitHub version control, project deployment, and testing workflows

Search Engine Evaluator (SEE)
UHRS – Microsoft

zagazig-Egypt
May 2024 – present

Evaluated and analyzed search engine results to ensure accuracy, relevance, and improved user experience.

Labeled and assessed large datasets to support AI model training and enhance search quality.

Worked with linguistic, contextual, and cultural factors to optimize the performance of AI-driven search engines.

Contributed to improving Microsoft Bing search outcomes through consistent data quality assurance.

Gained experience in remote collaboration tools and meeting performance KPIs in a fast-paced environment

CERTIFICATES :

Full-Stack Web Development Track (MERN Stack) – Digital Egypt Pioneers Initiative (2025)

Certified Node.js Developer (CND) – Information Technology Institute (ITI)

Certified Node.js Developer (CND) – Information Technology Institute (ITI) (Expected Mar 2025)

JavaScript Developer Certification (JSDC) – Information Technology Institute (ITI) (Jan 2025 – Mar 2025)

Search Engine Evaluator Training (SEE) – UHRS / Microsoft (2024)

Skills

Technical Skills

Frontend: React.js, HTML5, CSS3, JavaScript (ES6+), Responsive Web Design

Backend: Node.js, Express.js, RESTful APIs, WebSockets

Database: MongoDB, Mongoose, Database Design & Optimization

Version Control & Tools Git, GitHub, Postman, Thunder Client

Other: API Integration, Deployment (Heroku / Render), Authentication & Authorization (JWT, OAuth)

Soft Skills

Leadership & Team Management

Problem Solving & Critical Thinking

Communication & Collaboration

Time Management & Task Prioritization

Content Creation & Copywriting

Languages

Arabic: Native

English: Intermediate