Hossam Mohamed

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Website | GitHub | LinkedIn

Software Engineer | Full Stack Developer

Ambitious Computer Science graduate specializing in Software Engineering, with strong expertise in full-stack development (MERN Stack), RESTful APIs, and Microservices Architecture. Successfully delivered a full-scale Smart RFID-Based Attendance & Cashless Payment System with AI-powered insights. Proven ability to manage projects end-to-end, deliver scalable solutions using Git, Docker, and Jira, and thrive in Agile, cross-functional teams.

Experience

APR 2021 – CURRENT

System & Web Developer - Freelancer | Remote | Apr 2021 – Present

- Delivered 3+ client projects, including a Hospital Management System and Teamly Project Management Platform to streamline team workflows.
- Created an Architectural Portfolio Website showcasing high-end design projects for a design firm.
- Developed an RFID Attendance & Cashless Payment System with AI analytics, reducing manual processing by 70% and boosting operational efficiency.
- Currently developing the Egyptian Healthcare System (EHS) — a secure, scalable national platform for unified medical records using Microservices, Cloud, Git, Docker, and Agile practices. This project is subject to intellectual property rights.

Key Projects

Smart RFID-Based Attendance & Cashless Payment System | Graduation Project | MSA University | 2025
- Grade: Excellent (A-).
- Designed and deployed a comprehensive RFID system for real-time student tracking, automated attendance, cashless transactions, parental monitoring, and centralized admin dashboards.
- Developed AI/ML modules to analyze attendance behavior and spending trends.
- Delivered all frontend, backend, database, and predictive modules independently using the MERN Stack, Microservices, RESTful APIs, and Docker for scalable deployment.
- Managed version control with Git and collaborated with peers using Jira in an Agile workflow.

Education

B.Sc. in Computer Science, Software Engineering | MSA University | 6th October City – Giza
Graduated: August 2025
Grade: Good

B.Sc. in Computer Science, Software Engineering | University of Greenwich | United Kingdom
Graduated: August 2025
UK Grade: Good

Technical Skills

• **Languages & Frameworks:** JavaScript (ES6+), Node.js, React.js, Express.js, PHP, HTML, CSS, Bootstrap, Bootstrap Studio
• **Databases:** MongoDB, MySQL
• **Architecture:** Microservices, RESTful APIs, Secure Cloud Systems
• **Tools:** Version Control (Git), GitHub, Docker, CI/CD pipelines (basic), Agile/Scrum, Jira
• **Other:** Project Leadership, Team Collaboration, Client Communication, Problem Solving

Languages

Arabic (Native) | English (B2)