

Ahmed Yousry Helal

Back-End .Net Developer

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Backend-focused **.NET Developer** with expertise in **ASP.NET Core, C#,** specializing in high-performance APIs, database optimization, and secure system integrations (Banking & Government systems). Proficient in **RESTful APIs, Entity Framework Core, Microsoft SQL Server, Azure,** and foundation in frontend Technologies (Angular). Strong knowledge in **Clean Architecture, Onion Architecture, SOLID, OOP principles,** and Agile collaboration.

Skills

- **Backend & APIs:** ASP.NET Core, C#, RESTful APIs, Node.js, Express.js, JWT, OAuth
- **Databases & ORMs:** Microsoft SQL Server (Query Optimization, Indexing), Entity Framework Core, LINQ, MongoDB, Caching
- **Cloud & DevOps:** Microsoft Azure (App Services, SQL Database), Docker, CI/CD Pipelines
- **Frontend:** Angular, TypeScript, JavaScript, HTML5, CSS, Bootstrap
- **Architecture & Principles:** Clean Architecture, Onion Architecture, SOLID, OOP, Design Patterns, Agile/Scrum
- **Tools:** Git (GitHub, GitLab), JIRA, Visual Studio, VS Code, Postman, Reporting Builder
- **Languages:** Arabic (Native) – English (Professional B2).

Work Experience

.Net Full Stack Developer (Hybrid)	Smart Tech Sys	<i>Nasr City, Cairo, Egypt</i>	2024 - Present
<ul style="list-style-type: none">• Developed high-performance APIs using ASP.NET Core, reducing response times through query optimization and caching.• Led the end-to-end integration of diverse systems, including mobile applications and external hardware devices, ensuring seamless data flow and interoperability.• Implemented JWT authentication and role-based access control (RBAC) for secure system integrations in applications.• Collaborated closely with cross-functional teams to deliver high-quality applications and maintainable codebases.			
.Net Full Stack Developer (Remote)	Freelance	<i>Egypt</i>	2021 - 2024
<ul style="list-style-type: none">• Worked on freelance platforms and gained many Gigs from which gained much experience.• Designed and optimized relational databases (MS SQL), improving query performance by 40% via indexing.			
Software Engineer (On Site)	ITI	<i>Mansoura, Egypt</i>	2023 - 2024
<ul style="list-style-type: none">• Gained expertise in designing, developing, and maintaining full-stack web applications using .NET technologies, ensuring seamless front-end and back-end integration.• Focused on backend development with ASP.NET Core, including API design, authentication (JWT).			

Education

ITI 9-Month Postgraduate Professional Diploma,	Information Technology Institute (ITI)	<i>Mansoura, Egypt</i>	2023 - 2024
<ul style="list-style-type: none">• ITI 9-Month Postgraduate Professional Diploma, Professional Web Development & BI			
Bachelor of Engineering	Port Said University	<i>Port Said, Egypt</i>	2016 - 2021

Mentorship

- **IEEE Port Said University:** Taught web development sessions for students who are interested in IT field and mentor their progress throughout the sessions and hunt some of them for the student activity. **(2020 - 2021)**

Projects

- **Asset Management Project**
 - Tech Stack: **ASP.NET Core, Microsoft SQL, EF Core, JWT,** Angular, Angular Material, PrimeNg, Reporting Builder.
 - The **Asset and Books Management Project** focuses on creating a seamless system to manage both physical assets and educational materials like books. This project integrates software with hardware to track, monitor, and manage inventory efficiently.
- **Banking Document Management System (Contain 4 Projects (Portfolio – Corporate – Logger – Retail))**
 - Tech Stack: **ASP.NET Core, Microsoft SQL, EF Core, JWT,** Angular, Angular Material, PrimeNg, Reporting Builder
 - Developed and maintained 4 banking systems designed for secure storage and management of customer documents and data.
 - Built robust reporting tools using Reporting Builder to generate detailed Excel reports on customer information, document tracking, and employee performance analytics and reducing manual processing time by 90%.
 - Enhanced system security and performance by optimizing database queries (Microsoft SQL), and reducing API latency by 50% under high load.
 - Collaborated with stakeholders to gather requirements, troubleshoot integration issues, and deliver scalable solutions.
- **Laboratory Management and Evaluation System (LMES) Project**
 - An advanced system utilized in hospitals and laboratories to record and manage medical tests for patients, particularly those requiring documentation for international travel. The system ensures accurate tracking of patient data and efficient generation of test result reports.