

Ahmed Elesawy

SOFTWARE DEVELOPMENT ENGINEER

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PROFILE

Full-Stack .NET Developer with expertise in Angular and a strong foundation in DevOps, cloud technologies, and agile practices. Passionate about building scalable, high-quality software solutions. Proven ability to drive projects from design to deployment with a focus on performance, security, and maintainability.

PROFESSIONAL EXPERIENCE

Mid-Level Full-Stack .NET Angular Developer @Alqemam-qTech  Jun 2025 – PRESENT

- Designed and developed synchronization services and notification modules (Email/SMS) to enhance system communication and reliability.
- Optimized CI/CD pipelines on Azure DevOps, reducing deployment times and enhancing release quality.
- Collaborated with business stakeholders to align technical solutions with product requirements within Agile Scrum frameworks.

Junior Full-Stack .NET Angular Developer @Alqemam-qTech  Sep 2024 – May 2025

- Developed high-security governance solutions using ASP.NET Core, Angular, and Oracle DB, adhering to SOLID principles.
- Implemented CI/CD pipelines on Azure DevOps for automated deployments on Windows servers.
- Collaborated in Scrum teams to deliver features aligned with user stories, leveraging Azure DevOps for backlog management.
- Recognized as High-Flyer Achiever of 2024.

EDUCATION

Professional Web Development and Business Intelligence Diploma Oct 2023 – June 2024
Information Technology Institute

Bachelor of Electronics and Communications Engineering Sep 2018 – June 2023
Mansoura University

Cumulative Grade: Excellent

PROJECTS

Price Comparison Website - ITI Graduation Project FrontEnd  | BackEnd  | Scraping Service 

- Web app comparing product prices across sites.
- Stack:** ASP.NET Core, Angular, SQL Server, FastAPI (Python)
- Role:** Developed a multilingual scraping service using FastAPI; managed product additions with Angular and ASP.NET; implemented a background service with HangFire, real-time notifications with SignalR, and a chatbot with BotPress.
- Achievements:** 2nd place in qTech Hackathon for Delta ITI Graduation Projects[All Tracks].

Dehazing API for Self-Driving Cars - College Graduation Project AI-Model  | Deployment 

- Maintains clear vision for self-driving cars in bad weather.
- Stack:** FastAPI, PyTorch, ONNX, OpenCV
- Role:** Developed and deployed a novel AI model for dehazing.
- Achievements:** 12th in Global NTIRE 2023 HR Non-Homogeneous Dehazing Challenge.
- Publication:** IEEE - ISBN: 979-8-3503-0250-9 DOI: 10.1109/CVPRW59228.2023.00180 

Examination System	Source-Code
<ul style="list-style-type: none"> Developed a secure desktop application simulating ITI's exam system using database-first approach with 100% depend on stored procedures for data integrity and performance. Stack: .NET Framework, WinForms, SQL Server, Crystal Reports, SSRS 	

E-Commerce Application	Source-Code
<ul style="list-style-type: none"> Built a responsive clothing retail platform with dynamic product filtering and cart management. Stack: HTML5, CSS3, Bootstrap, JavaScript, jQuery 	

Attendance System	Source-Code
<ul style="list-style-type: none"> Developed web application to automate ITI's attendance tracking with real-time monitoring. Stack: ASP.NET Core, SQL Server, JavaScript, jQuery, Bootstrap 	

TECHNICAL SKILLS

Programming Languages

- C#, JavaScript/TypeScript, Python,C, C++

Back-End Development

- Frameworks:** ASP.NET Core (Web API, MVC, Worker Services), FastAPI (Python), Node.js
- Data Access:** Entity Framework Core, Dapper, ADO.NET, LINQ
- Messaging/Events:** SignalR (Real-time), RabbitMQ
- API Tools:** Swagger/OpenAPI, OCELOT (API Gateway), Postman
- Others:** Caching (Redis), Logging (Serilog/ELK), Middleware Pipelines

Front-End Development

- Angular (RxJs), Bootstrap ,TypeScript, JavaScript (ES6+), HTML5, CSS3/SASS

Databases & Data Engineering

- SQL:** Microsoft SQL Server, Oracle (PL/SQL), PostgreSQL
- NoSQL:** MongoDB, Elasticsearch (Full-Text Search)
- ETL/BI:** SSIS, SSAS, SSRS

DevOps & Cloud

- CI/CD:** Azure DevOps (Pipelines), GitHub Actions
- Containerization:** Docker, DockerHub
- Monitoring:** Application Insights, ELK Stack (Elasticsearch, Kibana)
- Cloud:** AWS (EC2, S3))(Aws Cloud Practitioner Certified), Azure Services (Basic)

Software Engineering Practices

OOP, SOLID, DRY, Design Patterns, Data Structures, Complexity Analysis , Unit Testing

AI/ML

- Libraries:** TensorFlow, PyTorch, OpenCV, Scikit-learn
- Data Science:** NumPy, Pandas

LANGUAGES

Arabic: Native

English: B2