

# Asmaa Alashkar

## Software Engineer | .NET core & Angular

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### Objective

Full-stack software engineer with expertise in .NET Core and Angular, specializing in responsive web applications and API integrations. Experienced in collaborative Agile environments, building scalable systems, and applying clean architecture principles. Eager to leverage technical skills and hands-on project experience to contribute to innovative development teams.

### Experience

#### Technical Consultant, RAYA International Services

01/2025 – present  
6th of October, Egypt

- Front-end developer working with **Angular** to build responsive, high-performance user interfaces and reusable components.
- Integrate Angular apps with backend REST APIs (backend uses Spring Boot); collaborate with backend team to map business logic and data contracts.
- Worked on a banking/trade-finance module (letters of credit & guarantees): implemented forms, validation, and client-side error handling.
- Improved UI performance and accessibility; participated in code reviews and feature planning.

#### Part-Time External Instructor, Information Technology Institute (ITI)

03/2024 – Present  
Remotely

- Instructor delivering lectures and hands-on lab sessions on web-related topics (HTML, CSS, JavaScript, Unit Testing, etc.). Lead classroom lectures, supervise labs while students apply concepts, provide real-time debugging and mentorship, design assignments and assessments, and deliver training sessions as part of scholarship and professional training programs.

#### Software Engineer, ALMOSTAKBAL TECHNOLOGY

06/2024 – 01/2025  
Cairo, Egypt

- Full-stack developer using **Angular** (front) and **.NET Core** (back) to design and deliver web applications.
- Implemented a dynamic standards management system for the Radiology Directorate — dynamic forms, nested data, and server-side validation.
- Developed an RFID-integrated inventory system: worked on data flows between hardware events and the web application.
- Wrote unit tests, improved API performance, and participated in deployment and UAT.

#### Teaching Assistant, Alexandria Higher Institute of Engineering and Technology (AIET)

02/2024 – 06/2024  
Alexandria, Egypt

- Assisted in teaching **Operating Systems**, **Image Processing**, and **Computer Graphics** to 3rd & 4th year students.
- Ran labs, supervised student projects, graded assignments, and held office hours for mentoring.

#### Backend Developer Intern (.NET), Algoriza

10/2023 – 12/2023  
Giza, Egypt

- Completed a 3-month internship covering **C#, SQL Server, Entity Framework, LINQ**, Onion Architecture, and .NET Core.
- Built RESTful APIs for a project similar to a healthcare booking platform (Vezeeta-like).
- Applied SOLID principles and improved database interaction and maintainability.

### Education

#### 9-Month Professional Diploma, Information Technology Institute (ITI).

Track: Professional Web Development and BI.

2022 – 2023  
Alexandria, Egypt

#### Bachelor of computer and systems, Faculty of Engineering at Al-Azhar University.

Graduated with Very Good with Honours  
Graduation Project Grade: Excellent  
Received Awards for High Grades.

2017 – 2022  
Nasr City, Egypt

## Skills

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**Programming Languages** — C#, JavaScript, TypeScript, SQL

**Front-end** — Angular, React, Angular Material, PrimeNG, Tailwind CSS, Bootstrap, HTML5, CSS3

**Back-end** — .NET Core, ASP.NET Core Web API, ASP.NET Core MVC, Node.js, Entity Framework, LINQ, ADO.NET

**Database** — SQL Server, MongoDB.

**DevOps & Tools** — Hangfire, VAX, Azure, AWS, Git, Docker

**Software Development** — SOLID Principles, Design Patterns, Onion Architecture, N-Tier Architecture, RESTful APIs

**IDEs & Platforms** — Visual Studio, Visual Studio Code, SQL Server Management Studio, Power BI, GitHub, Trello, Slack, Jira, Adobe XD

**Other** — Data Structures, Algorithms, OOP, Networking, Operating Systems, Unit Testing, SQL BI, UI/UX Design

## Projects

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### Home Food Delivery (Khaltabita)

ITI graduation Project, Using Angular, Web API and SQL Server, My role is making UI with connecting database of checkout page.

### E-commerce Store Web App

A responsive e-commerce platform using Angular, Tailwind CSS, and Angular Material. Implemented role-based authentication and integrated FakeStore API for product management. Designed a modern UI with filtering, animations, and admin product control.

### Clothing Ecommerce Website

A responsive e-commerce website catering to diverse markets, utilizing HTML5, CSS3, Bootstrap, JavaScript, PHP, and Laravel for a seamless and visually appealing shopping experience across devices.

### Basic Standards for Rounds and Inspections

Developed a hospital management system using Angular and .NET Core API, optimizing inspection and rounds management for better efficiency.

### Scratch & App Inventor Mini Projects

Created for younger students to build problem-solving skills and programming logic.

## Certificates

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| • ITI - Professional Web Development Diploma | • Udacity Challenger Certificate – EgyptFwd |
| • Algoriza Internship Certificate            | • HTML&CSS – Mahara Tech                    |
| • Freelancing Basics – Mahara Tech           | • InnovEgypt program                        |
| • UI UX Design                               | • Developing web applications using PHP     |

## Languages

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**Arabic** — Native/Bilingual

**English** — Conversational