

# Abdulrahman Kamal

Software Engineer

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## SUMMARY

Results-driven senior Communication Engineering student with a strong foundation in full-stack development, specializing in ASP.NET Core, C#, SQL Server, Entity Framework, HTML, CSS, and JavaScript. Proven ability to build and deploy real-world applications such as a services booking system and a library management platform. Skilled in applying MVC architecture, implementing microservices, designing efficient databases, and writing clean, maintainable code. Completed a .NET Web Developer Internship (DEPI) and advanced training in RESTful API development with hands-on experience across frontend and backend. Delivered scalable .NET solutions impacting 800+ users, increasing performance and system efficiency by up to 70% across multiple projects. Eager to drive innovative solutions and collaborate within high-impact teams.

## EDUCATION

### Bachelor's Degree in Communication and Electronics Engineering

Sept 2021 – Present (Expected Graduation: 2026)

Suez Canal University (SCU)

## EXPERIENCE

### Software Developer | Aladham Solutions (12/24 – 5/25)

- Created **enterprise-grade web applications** using ASP.NET Core and Entity Framework, improving system scalability by 30% and supporting 500+ active users.
- Collaborated with cross-functional teams to **deliver secure and user-centric solutions** within tight deadlines.
- Optimized database queries and reduced average response time by 25%.

### Freelance Software Developer | Part-Time (7/25 – Present)

- Produced a **Workshop Management System** handling **+5000 daily transactions** with modules for users, branches, and operations, serving 100+ daily transactions.
- Integrated **real-time communication** with SignalR, enhancing workflow efficiency by 40%.

## CERTIFICATES

**Dot NET Web Developer Internship** Digital Egypt Pioneers Initiative (DEPI) (Apr 2024 – Oct 2024)

**RESTful Web API –The Complete Guide (Part 1 & 2)**–Udemy (2024)

# SKILLS

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**Programming & Frameworks**  
C#, ASP.NET Core MVC, .NET Core Web API, Entity Framework Core, ADO.NET

**Databases & Data Handling**  
SQL Server, MongoDB, Oracle, LINQ

**Messaging & Communication**  
RabbitMQ, SignalR, Kafka

**Algorithms & Structures**  
Data Structures, Algorithms

**Frontend Development**  
HTML5, CSS3, JavaScript, Razor Views

**Architecture & Principles**  
OOP, SOLID, Design Patterns, N-Tier Architecture, microservices

**Tools & DevOps**  
Git, GitHub, Docker, gRPC, Ocelot

# PROJECTS

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## Services Booking System (*GitHub* – 2024)

- Created an MVC web application connecting service providers with users, featuring a full booking and rating system.
- Applied Entity Framework, ASP.NET, SQL Server, and Identity within an N-Tier Architecture.
- Designed responsive Razor Views for an intuitive user interface.

## Workshop Management System ( 2025)

- Designed a complete system to manage multi-branch workshop operations, including user management, purchases, transfers, repair orders, and maintenance data.
- Planned order management workflows with confirmation tracking, advanced search, and PDF export.
- Implemented real-time communication using SignalR reducing notification delay by 70%.

## Smart Lawyer – Claims Administration Management (2025)

- Contributed to a comprehensive application for legal facility operations, covering case management, task scheduling, and session tracking.
- Built backend features with ASP.NET Core, Entity Framework Core, and SQL Server, ensuring secure and efficient data handling. Awtar – E-Commerce Platform (2025)
- Developed core modules for an online store, focusing on Authentication, Authorization, and Security.
- Applied ASP.NET Core, EF Core, and SQL Server for robust backend services.

## AI-Driven Digital Twin for Zero-Touch O-RAN Slicing (*Ongoing Project*)

**Mentor: CyShield**

- Developed backend architecture using Microservices and containerized services with Docker.
- Implemented API Gateway using Ocelot for traffic management across **7+ services**.
- Integrated Kafka as an event streaming platform to handle real-time data processing.
- Built service-to-service communication with gRPC for high performance and low latency.