

# Omar Monir Kamal

Backend Developer | Software Engineer | Computer Science Student

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## PROFESSIONAL SUMMARY

Results-driven **Backend Developer** and Computer Science student with 1+ years of experience in **ASP.NET Core** and **C#** development. Proven expertise in designing and building scalable web applications using **clean architecture** principles and modern design patterns. Experienced in developing **RESTful APIs**, implementing **JWT authentication**, and optimizing database performance with **Entity Framework Core**. Strong foundation in **Object-Oriented Programming**, **SDLC**, and **Agile methodologies**.

## TECHNICAL SKILLS

### Backend Development

ASP.NET Core C# (3+ years) RESTful APIs Web APIs MVC Pattern

### Database & ORM

SQL Server Entity Framework Repository Pattern Database Design

### Programming Languages

C# (Advanced) Java (Intermediate) Python (Intermediate) C++ (Intermediate)

### API & Tools

Swagger/OpenAPI JWT Authentication AutoMapper FluentValidation

### Development Tools

Git/GitHub Visual Studio Postman LINQ

### Methodologies

SDLC Clean Architecture Domain-Driven Design SOLID Principles

## EDUCATION

### Bachelor of Science in Computer Science

Faculty of Science, Fayoum University | Expected Graduation: 2025

**Relevant Coursework:** Data Structures & Algorithms, Database Systems, Software Engineering, Object-Oriented Programming, Computer Networks, Web Development

## KEY PROJECTS

### Expert System for Student Affairs

2023

ASP.NET Core | SQL Server | JWT | Role-Based API

- Designed and developed a multi-role backend system using **ASP.NET Core Web API** with **JWT Authentication** and role-based access (Student, Professor, Admin, Super Admin)
- Built modular architecture with **clean separation** between Controllers, Services, Repositories, and Models
- Implemented core academic operations: **student management, enrollment, grades, attendance, schedules, and academic warnings**
- Developed **dynamic PDF/Excel reporting engine** supporting course analytics, enrollment trends, and GPA summaries
- Integrated **efficient querying** with Entity Framework Core, reducing data processing time and enhancing performance
- Applied **advanced validation and business rules** for course registration, graduation eligibility, and prerequisite checks
- Collaborated with inference engine via RESTful endpoints for smart academic decisions and course recommendations

### E-Commerce Backend System

2024

ASP.NET Core | Entity Framework | JWT | Stripe API

- Developed scalable RESTful API with JWT authentication
- Reduced login processing time by **40%**
- Integrated Stripe payment gateway securely
- Applied Domain-Driven Design principles

### Physics Lab Management System

2024

ASP.NET Core | SQL Server | Entity Framework

- Built equipment tracking system for **500+ items**
- Developed role-based access control
- Automated maintenance reporting by **60%**
- Created responsive real-time dashboards

PROFESSIONAL EXPERIENCE

Sales & Operations Assistant

Manahil Stationery Store | Fayoum, Egypt  
2019 - 2023

- Achieved **95% customer satisfaction** rating
- Improved efficiency by **30%** through POS optimization
- Developed analytical skills through sales tracking
- Served 50+ customers daily

Marketing Team Head

Enactus Fayoum | Student Organization  
2023 - 2025

- Led team of **10+ students** in social-impact campaigns
- Reached **5000+ community members**
- Organized workshops and mentored **15+ members**
- Promoted to Head due to outstanding performance

CERTIFICATIONS

Data Analysis Training Program

Digital Egypt Pioneers Initiative (DEPI) | Apr 2024 - Oct 2024

Full Stack Web Development with .NET

Information Technology Institute (ITI) - 120 hours | Jul 2024 - Aug 2024

ASP.NET Core API Development (.NET 8)

Udemy - 2024

Additional online courses in Backend Development

LANGUAGES & CORE COMPETENCIES

Languages

Arabic

Native

English

Very Good

Core Competencies

Problem Solving

Leadership

Team Collaboration

Project Management

Technical Writing

Continuous Learning

Client Communication

Agile Methodologies