

# OSAMA MATTER

Backend Developer | C# & .NET Specialist

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 <https://osama-matter.github.io/Portfolio/>

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## SUMMARY

Computer Science student and Backend Developer with hands-on experience building production-ready web applications using C# and .NET technologies. Proven ability to deliver full-featured systems from concept to deployment, including an 18,000+ line e-commerce platform built in 3 weeks. Strong foundation in object-oriented programming, data structures, database management, and clean code practices. Currently expanding frontend skills with Angular to complement backend expertise.

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## TECHNICAL SKILLS

Programming Languages: C#, C++, SQL,

Backend Technologies: ASP.NET Core 8, .NET Framework, Entity Framework Core, LINQ

Web Development: ASP.NET Core MVC, RESTful APIs, Web API, Razor Pages

Database Management: SQL Server, T-SQL, Database Design, Query Optimization

Authentication & Security: ASP.NET Identity, JWT Authentication, Role-Based Access Control

Design Patterns: Repository Pattern, Unit of Work, Dependency Injection, MVC Architecture

Frontend Technologies: HTML5, CSS3, Bootstrap 5, Angular (Learning)

Payment Integration: PayPal API v2 (Sandbox & Live), Payment Gateway Integration

Tools & Platforms: Git, GitHub, Visual Studio, SQL Server Management Studio

Development Practices: Clean Code, SOLID Principles, RESTful Design, API Development

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## EDUCATION

Bachelor of Science in Computer Science

Shourk Academy | Student

Relevant Coursework: Object-Oriented Programming, Data Structures, Database Management Systems, Algorithms, Software Engineering

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## PROFESSIONAL PROJECTS

### Educational Platform | ASP.NET Core Web API & Razor Pages

- Developed a centralized online education platform using Clean Architecture, providing structured course management, progress tracking, and role-based access control.
- Built a RESTful API backend with ASP.NET Core 8, Entity Framework Core, SQL Server, and JWT authentication, paired with a Razor Pages frontend for students and admins.
- Implemented secure user authentication & authorization, full CRUD operations for courses and lessons, and an admin dashboard for system control.
- Organized into layered architecture (Domain, Application, Infrastructure, API, Frontend) for scalability and maintainability.
- GitHub: [https://github.com/Osama-matter/Educational\\_Platform\\_Backend.git](https://github.com/Osama-matter/Educational_Platform_Backend.git)

## AquaCheck Digital Platform | ASP.NET Core MVC

- Developed a production-ready platform for dive centers to digitize diver onboarding and check-ins, eliminating paper workflows.
  - Implemented e-signature functionality and automated PDF generation using QuestPDF for compliance documentation.
  - Built a centralized record management system with identity-based access control and strong data validation for diving safety.
  - Utilized .NET 8, Entity Framework Core, and ASP.NET Identity to create a secure and scalable solution.
  - Live Demo: <https://aquacheckdigitalplatform.runasp.net/>
  - GitHub: <https://github.com/Osama-matter/AquaCheck-Digital-Platform.git>
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## Mega Matter E-commerce Platform | ASP.NET Core 8 MVC

- Architected and developed a full-featured e-commerce platform in 3 weeks (~63 hours) with 18,000+ lines of code.
  - Integrated PayPal payment system (Sandbox & Live) using PayPal API v2.
  - Implemented responsive Bootstrap 5 design with product and order management, stock control, customer reviews, and instant email notifications.
  - Successfully deployed to production environment on runasp.net with full functionality.
  - Live Demo: <https://megamatter.runasp.net/>
  - GitHub: <https://github.com/Osama-matter/E-Commers-MVC.git>
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## Hotel Booking System API | ASP.NET Core Web API

- Developed a production-ready RESTful API for hotel management, covering room management, bookings, payment processing, and customer reviews.
  - Implemented JWT-based authentication and role-based access control to secure admin and user operations.
  - Built efficient database operations using Entity Framework Core for data persistence and query optimization.
  - Designed API endpoints following RESTful principles for scalability and maintainability.
  - GitHub: <https://github.com/Osama-matter/E-Commers-MVC.git>
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## CORE COMPETENCIES

- Back-End Web Development with .NET technologies
  - Database Design and SQL Server Management
  - RESTful API Development and Integration
  - Authentication and Authorization Systems
  - Payment Gateway Integration
  - Clean Architecture and Design Patterns
  - Production Deployment and DevOps
  - Problem Solving and Algorithm Design
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## PROFESSIONAL OBJECTIVES

- Actively seeking backend development opportunities to contribute to building scalable, maintainable systems using .NET technologies. Passionate about writing clean, efficient code and implementing best practices in software development. Ready to bring strong technical foundation and proven project delivery experience to a dynamic development team.