

# Mohamed Elsayed

Software Engineer | .NET Developer

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## Summary

I am a dedicated software engineer with over two years of experience in software manufacturing and development, specializing in C# technology and the .NET Framework. I have a strong command of, ASP.NET MVC, .NET Core, ADO.NET and Entity Framework, with a robust background in web services, APIs, and multi-threaded applications. My expertise extends to designing and managing databases using SQL. I am committed to continuous learning and improvement, consistently delivering high-quality, maintainable code, and effective solutions to complex problems. Passionate about software design and clean code practices, I strive to enhance my skills and contribute to the success of my team and projects.

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## Experience

### Entgree

July 2023 – Present (1 year 3 months)

Position: .NET Developer

Rols: Responsible for Building and maintaining desktop applications.

### Freelance .NET developer

January 2023 – July (7 months)

Position: .NET Developer

Rols: Responsible for Building and maintaining software solutions including desktop applications, ASP.NET web applications, and Restful APIs.

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## Projects

### Driving License Management System DLM – (2023)

Developed a comprehensive driver's license management and renewal system.

#### Features:

- User System:  
Login form, User information management, License renewal requests, Reinstatement of revoked licenses, Fine payment processing, Test requests and Issuance of international licenses.
- Administration System:  
Management and scheduling of driving tests, User management and access control, Approval of renewal requests and Scheduling of tests.

#### Technologies Used:

- Languages and Frameworks: C#, .NET Framework

- Database Management: SQL, T-SQL
- Data Access: ADO.NET
- Data Integrity: SQL Transactions
- User Interface: Windows Forms

## **Qouiud Real Estate Management System – (2023)**

Developed a comprehensive real estate management system.

### **Features:**

- User Management:  
Login form, Registration form.
- Property Management:  
Management of properties, Management of tenants, Management of owners, Management of contracts, Management of expenses and safe.
- Financial and Reporting Management:  
Annual and monthly report generation, Issuance of receipt and payment vouchers, Management of payment schedules.

### **Technologies Used:**

- Languages and Frameworks: C#, .NET Framework
- Database Management: SQL, T-SQL
- Data Access: Entity Framework, ADO.NET
- Reporting: Crystal Reports
- User Interface: Windows Forms

## **CreatExpert Web Application – (2024)**

Developed a comprehensive Web Application for evaluating student projects by education experts before the discussion.

### **Features:**

- Student Management:  
Login Page, Registration Page, Adding, deleting, or modifying projects, User management, Updating user data and news
- Expert Management:  
Login Page, Project evaluation, Modifying user data, User management, Updating user data
- Admin Management:  
Login page, Registration of new experts and administrators, Updating and modifying users data

### **Technologies Used:**

- Languages and Frameworks: C#, ASP.NET Core MVC, Razor Pages
- Database Management: SQL, T-SQL
- Data Access: Entity Framework Core, Repository Pattern, Unit of work pattern
- Frontend: HTML, CSS, JavaScript, jQuery, AJAX
- Authentication: Microsoft Identity

## **CODIXA e-learning platform – (2024)**

Developed a modern e-learning platform that provides comprehensive educational content on web development and UI/UX design. The platform offers courses, tutorials, and blogs to enhance user skills in frontend, backend, and design technologies.

## Technologies Used:

- Languages and Frameworks: C#, .NET Core
- Database Management: SQL, T-SQL
- Data Access: Entity Framework, Repository Pattern, Unit of Work Pattern
- Frontend: NextJs, HTML, CSS, JavaScript
- Security: JWT for secure user authentication and session management

**Project Link:** <https://codixa.vercel.app>

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## Certifications & Courses

- .NET Core Mvc (ITI online course • 2023)
  - .NET Core Api (ITI online course • 2023)
  - Entity Framework / Core (ITI online course • 2023)
  - Certified in Database using SQL & T-SQL (ProgrammingAdvices • 2023)
  - Certified in C# & Database Connectivity using ADO.NET (ProgrammingAdvices • 2023)
  - Certified in C# and OOP (ProgrammingAdvices • 2023)
  - Certified in Data Structures using C++ & C# (ProgrammingAdvices • 2023)
  - Certified in Algorithms & Problem-Solving using C++ & C# (ProgrammingAdvices • 2023)
  - Certified in Object-Oriented Programming using C++ & C# (ProgrammingAdvices • 2022)
  - Certified in Programming using C++ & C# (ProgrammingAdvices • 2022)
  - Certified in Programming Fundamentals using C++ (ProgrammingAdvices • 2022)
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## Education

### Izhevsk State Technical University named after M.T. Kalashnikov

Izhevsk, Russia

Bachelor, Software Engineering, (2017 - 2022)

Activities and Societies • During my time at university, I served as the president of the International Students Association. In this role, I was responsible for addressing all the challenges faced by foreign students and finding solutions in coordination with the appropriate authorities. My efforts were focused on helping international students study effectively and adapt to the new climate and environment.

- Had given a deep knowledge in computer science and computer mathematics, system and applied programming, organization of computers and networks, complexes and networks, operation and programming systems, databases and instrumental means for software development, system analysis and machine modeling, decision-making and management, data processing systems and AI.
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## Technical Skills & Expertise

C#

.NET Framework

Design Patterns

C++	Algorithms	Problem-Solving
.NET	Data Structures	CSS
Windows Forms	Software Engineering	Bootstrap
Structured Programming	Relational Databases	JavaScript
Object Oriented Programming	SQL	jQuery
HTML	Design Patterns	Ajax
XML	Database Development	LINQ
Communication Skills	T-SQL	ASP.NET
Solid principles	API	Entity Framework
ADO.NET	Dapper	MVC
JWT	Git & GitHub	Clean Architecture
Development Life Cycle		

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## Languages

<b>Arabic</b>	(Native or bilingual proficiency)
<b>Russian</b>	(Full professional proficiency)
<b>English</b>	(Professional working proficiency)