Jawad Al-Derany

Sr .Net Developer

With over 6 years of experience in Microsoft technologies, I excel in the software development life cycle (SDLC) and have a strong foundation in object-oriented programming (OOP). Proficient in implementing N-Tier Architecture and Domain-Driven Design (DDD). Known for my ability to analyze problems, innovate solutions, quickly and effectively grasp and apply new concepts, and streamline operations.

INFO

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📷 Portfolio

SKILLS

// Web Technologies

Asp.Net	● ● ● ● ◗
C#	● ● ● ● ◗
JS / jQuery	● ● ● ◗ ○
HTML / CSS	● ● ● ○ ○
Bootstrap	● ● ● ● ○

// Desktop Technologies

Windows Forms	● ● ● ● ◗
WPF	● ● ● ○ ○
NET MAUI	● ● ● ○ ○
XAML	● ● ● ○ ○

// Database

MSSQL	● ● ● ● ○
EF / EF Core	● ● ● ● ◗

// IoT

Arduino	● ● ● ○ ○
Raspberry Pi	● ● ● ○ ○
C / C++	● ● ● ● ○
Windows 10 IoT	● ● ● ● ○

Work Experience

Web Developer

December 2023 – February 2024 / Cloud Systems

- Developed the CMS of the website **Using ASP.NET Core 7 and SQL.**
- Implemented reusable Razor components to enhance efficiency and streamline work processes **Using Razor class library.**
- Collaborated in the development of existing CMS **In ASP.NET Framework and SQL.**

Web Developer

June 2023 – November 2023 / BA Tech

- Led the development of an integrated system dedicated to the management and control of IoT devices through a centralized control panel **Using ASP.NET Core 7, SQL, EF, and Blazor.**
- Utilized the MQTT protocol to establish seamless two-way communication between IoT devices and servers.
- Engineered a dedicated MQTT Message broker service as a standalone unit within the system.
- Implemented background services to effectively manage device changes, notifications, and emails, enhancing system functionality.
- Developed a Blazor app to create user interfaces, incorporating a detailed permission and authorization system for enhanced security.
- Implemented best practices for performance and clean code in Blazor, including optimizing rendering speed, handling exceptions, and creating reusable components.
- Established real-time communication using SignalR to relay events from the server to connected Blazor apps.
- Applied JavaScript and jQuery to create interactive pages, facilitating communication with .NET components.

Web Developer

April 2022 – May 2023 / BA Tech

- Contributed to system analysis and design processes.
- Developed the core for the Content Management System (CMS) **In ASP.NET Core 6.**
- Worked with the Liquid templates for rendering and fragmenting the website content.
- Designed and developed a .NET library containing generic services and extensions to facilitate the initiation and development of any ASP.NET project, with the capability to publish it as NuGet packages **Using .Net Class Library.**

Bachelor of Software Engineering
Bu-Ali Sina University
Iran, Hamadan
September 2016 - May 2019

Courses
Asp.net Core,
Asp.net Core Advanced,
Blazor, Xamarin, UI/UX Design,
Arduino, WordPress, Network+

Languages

English   ● ● ● ● ●
Arabic   ● ● ● ● ●
Persian   ● ● ● ● ●

Hobbies

Problem-solving games

Strategies games

Cooking

Work Experience (CONTINUED)

Web API Developer
August 2022 – March 2023 / BA Tech
- Designed and developed Web API system through agile development methodology **Using Asp.Net Core 6, EF, and SQL.**
- Building database schema and creating tables **Using SQL and EF**.
- Implemented complex query and dynamic query **In SQL and E**.
- Utilized LINQ for querying, sorting, and filtering complex objects.
- Implemented authorization, authentication, and exception handling **In ASP.NET Core 6.**
- Working on background services **In Asp.Net Core 6.**

Web Developer
September 2021 – July 2022 / Freelance
- Designed and developed multiple Blazor server apps **Using ASP.NET Core with C#, JS, HTML, and CSS.**
- Implemented web API (Rest API) to support mobile applications **Using Asp.Net Core with C# and EF.**
- Designed and developed an Android app **Using .Net MAUI hybrid With C#, HTML, and CSS**
- Building database schema and creating tables with complex relationships between tables **Using SQL and EF Core.**
- Working on database transactions and Save Point.
- Designed and developed the front end of multiple Web applications **Using HTML, CSS, JS, and Bootstrap.**

Web Developer
Jun 2021 – August 2021 / Startup
- Developed Web Services **Using Asp.net Core 5 and EF.**
- Developed a Chrome browser extension to read information from multiple websites and transfer it to our website **Using JS, Ajax, ASP.NET Core 5 API, and JSON.**
- Used CQRS pattern for data flow between the services and the app.
- Used Timestamp to handle concurrency conflicts **Using EF Core 5.**

Web Developer
February 2021 – May 2021 / Freelance
- Implemented CRUD functionality, adding to sorting, filtering, and paging **In ASP.NET Core 5 MVC and Razor Pages**.
- Worked with advanced concepts of ASP.NET Core MVC and Razor Pages used for developing backend technology.
- Implemented LINQ Query operations like Grouping, Ordering, and Filtering operations for accessing the database to search routes.
- Created and consumed Web Services **Using ASP.NET Core 5, EF, and SQL.**
- Implemented authorization and authentication **In ASP.NET 5**.
- Worked with Globalization and localization to support multiple cultures **In ASP.NET Core 5.**
- Worked with partial views, and master pages for a consistent website look.

.NET Desktop Application Developer
October 2020 – January 2021 / Freelance

- Developed, tested, deployed, and maintained multiple Windows Form and WPF applications.
- Designed database in SQL Server and created stored procedures, functions, views, and queries.
- Implemented CRUD functionality **With Entity framework in WPF**.

.NET Developer
January 2020 – September 2020 / Startup

- Developed from scratch UWP App for Devices running **On Windows 10 IOT using C# and, XAML**.
- Worked on Binding, Styles, Data Template, Control Template, Routed Events, Converters, Charts, and Layout Panels **In XAML**
- Worked on N-Tier architecture-based project.
- Worked on Arduino and Raspberry Pi including software, and hardware such as Touch Display, Wi-Fi, Gpio pins, USB ports, and Windows 10 IoT
- Implemented a new C# Class library for controlling Arduino Gpio Pins and making communication Between Arduino and single-board computers **Using UART protocol**.

.NET Desktop Application Developer
May 2018 - October 2019 / Freelance

- Developed visual components through WPF **Using XAML and C#**
- Worked with the C# GDI +, DirectX, and AForge libraries for image processing, drawing 2D shapes, playback video and audio effects, and using USB Cameras.
- Developed, tested, deployed, and maintained multiple Windows Form applications.

Marketing

Web developer.

September 2021

A system for making profits by depositing money and investing it in marketing, which requires data collection, analysis, transformation into sensitive information, and storing it in the database, which requires no data loss. Using the fully optimized system. The main challenge was implementing a multi-level data validation to eliminate any probability of transferring inaccurate or corrupted data into the relational database.

Technology stack:

C#, .Net 5, Asp.net Core, API, MVC, Razor Pages, Blazor, MSSQL, EF Core, JS, Html5, CSS3, Bootstrap v5

Sterilize unit:

.Net developer.

March 2020

A software for hospital sterilizer's devices to control and manage the sterilization process.

Works on Windows 10 IOT.

It enables you to select the type of sterilization process, monitors the process stages, and displays the graph of the sensors to ensure the correctness of the process and device parts work, In addition to a simple notification system. The main challenge was the accuracy of the procedure, And good control of the device parts to avoid any accidents.

Technology stack:

C#, C, .NET Standard, UWP, Windows 10 IoT, Raspberry Pi, Arduino, IoT

Knowledge:

.Net Desktop Application Developer

April 2018

Interactive Competitions program for studios,

It displays competition details, paragraphs, many types of questions (audio, graphic, text), and teams' statuses, in addition to a live broadcast from the studio to the masses.

The main challenge was Flawless high-quality rendering and Speed in Camera broadcast.

Technology stack:

C#, .Net Framework 4.7, Windows Forms, WPF