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**SUMMARY**

**Passion for software development, software design & Problem Solving.**

* 8 years of programming and application development as a .NET developer using C#, VB.net and ASP.NET MVC, ASP.NET MVC CORE.
* Solid knowledge and understanding of object-oriented programming concepts.
* Proficient in ADO.NET, Entity Framework AND LINQ to Entities.
* Proficient in writing SQL queries, stored procedures and Views in a Microsoft SQL 2018 environment.
* Strong in building Windows Forms Applications that interact with a Microsoft SQL Server Database using ADO.NET.
* Proficient in Front-End technologies such as Bootstrap, JavaScript, and jQuery to create responsive, user-friendly interfaces
* Expertise in building applications that connect to external APIs, retrieving and processing data, and efficiently loading results into Microsoft SQL Database.
* Strong in building Client/Server Web application using ASP.NET, HTML,CSS, web controls, AJAX Controls
* Solid experience in parsing data using C#**.**
* Strong in writing solution using object-oriented concepts.
* Experienced in migrating legacy applications from ASP.NET Web Pages written in VB.NET to modern C# and ASP.NET MVC Core architectures, enhancing performance and functionality
* Microsoft Technical Associate in Web Development.
* Microsoft Technical Associate in Database Administration
* Trilingual; English, Spanish and French.

**PROFESSIONAL EXPERIENCE**

**City of Miami Police Department January 2022 - Present**

**Full stack .NET Developer**

**Migration of a Legacy Website from Web Forms and VB.NET to Modern C# and ASP.NET Core**

**Key aspects of this project included:**

* Rewriting the Codebase: Converted the application from VB.NET to C#, ensuring that the new code followed modern object-oriented principles and adhered to best practices. This shift also allowed for easier integration with new libraries and frameworks.
* Adopting ASP.NET Core: Migrated the application from Web Forms to the ASP.NET Core MVC framework, allowing for better performance, cross-platform capabilities, and cleaner separation of concerns with the MVC pattern.
* **UI Modernization**: Refreshed the user interface using **Bootstrap** for responsive design and **jQuery** for dynamic content loading, creating a more user-friendly experience across devices.

**Development of a Service to Connect with an External API and Load JSON Data into SQL Database**

* API Integration: Developed a service that utilized HTTPClient to make GET requests to the external API, handling authentication and rate limiting as required by the provider.
* JSON Parsing: Implemented efficient parsing mechanisms using Newtonsoft.Json to deserialize the JSON data into strongly typed C# objects. This allowed for seamless handling of complex data structures.
* Data Transformation: Processed and validated the incoming data, ensuring data integrity and applying necessary transformations to align with the database schema.
* SQL Database Interaction: Used Entity Framework for seamless interaction with the SQL Server database, and in some cases, direct SQL Bulk Insert methods were employed for handling large datasets efficiently.
* Error Handling and Logging: Integrated robust error handling mechanisms to catch and log any exceptions during the API call, data processing, or database insertion using NLog for logging and retry policies to handle transient errors.

**Development of a Payroll Correction Web Application Using ASP.NET MVC Core**

The application, built with ASP.NET MVC Core, allows different user roles—Time Clerks, Supervisors, and the Payroll Department—to submit, approve, or decline salary correction requests.

Key aspects of this project included:

* **Role-Based Functionality**:
  + **Time Clerks** could submit salary correction requests based on errors in reported hours or payments.
  + **Supervisors** reviewed and either accepted or rejected these requests.
  + **The Payroll Department** had the final authority to approve or reject the requests, ensuring that corrections were properly processed.
* **Data Storage**: All request data, including status updates and comments, was securely stored in **SQL Server**. The database was designed to track the request lifecycle from submission to final approval, ensuring accurate record-keeping.
* **Dynamic Reporting**: Implemented dynamic reporting using **jQuery DataTables**, allowing users to view, filter, and export the request data. Payroll staff could generate custom reports and export them to **Excel** for further analysis, helping streamline internal payroll processes.

**Development of an Automated Desktop Application for County Courts API Integration**

Developed a desktop application with no user interface, built in C#, to automate the process of extracting and loading data from an external County Courts API into an SQL Server database. The application was designed to run on a scheduled basis via Windows Task Scheduler, eliminating the need for human interaction and ensuring a fully automated workflow.

Key aspects of this project included:

* **API Integration**: Connected the application to an external County Courts API, retrieving court case data in real time. Handled authentication, request limits, and data extraction using **HTTPClient** to ensure secure and reliable API communication.
* **Database Interaction with Entity Framework**: Used **Entity Framework** to manage interactions with the **SQL Server** database, including querying, updating, and inserting records. This allowed for seamless data mapping and ensured that extracted API data was efficiently loaded into the database.
* **Data Processing and Validation**: Implemented logic to process, validate, and cleanse the data received from the API before storing it in the database, ensuring accuracy and consistency across records.
* **Scheduled Automation**: Configured the application to run automatically using **Windows Task**

**PROFESSIONAL EXPERIENCE**

**Better Kids, Miami, Florida**

**Software Developer July 2021 – Dec 2022**

* Development and implementation of a windows application to manage the information about patients and behavior therapist.

**Technologies: windows form(wpf), C#, SQL Server 2018, LINQ to Entities**

**PROFESSIONAL EXPERIENCE**

**Bayview Loan Servicing, Miami, Florida**

**Programmer Analyst | Data Analyst August 2015 – July 2021**

* Development and implementation of a windows application to parse and map large amount of data of the **Payment Histories** of loans. This tool can create a final file that contains formatted data as transactions that are sent to MSP for processing.
* Development and implementation of a windows application to parse large amount of data of **Comments Histories** of loans. This tool can create a final file that contains formatted data as transactions that are sent to MSP for processing.
* Development of a tool to automate the process of Phone Skip Tracing, this tool creates a file that is sent to a third-party website, the web site processes this file and sends back a final file with the results, the skip tracing tool process the final file, shows the results and load the data to a database. This tool can create a final file that contains formatted data as transactions that are sent to MSP for processing.
* Development of a tool to automate the process of SCRA (Service Member Civil Relief Act), this tool can create a file that is sent to a third-party website, the SCRA website process the file and create a final file with the results, the SCRA tool is able to detect if there is any borrower in the final file that is on active duty and will load the information to the database. This tool can create a final file that contains formatted data as transactions that are sent to MSP for processing.
* Development of a tool to automate the process of Escrow Analysis of loans, this tool receives a loan population with escrow data and based of the conditions of the loans it calculates the escrow payment for each loan and creates a final summary file.
* Development of a tool to automate the process of mapping massive amounts of documents sent by different loan servicers.
* Development a project that integrates all the windows applications categorized by departments. In this project, each windows application contains a user guide which explains step by step how to use it.

**Technologies: C#, Windows Forms, SQL Server 2018, LINQ, Ado.NET, Entity Framework**

**PROFESSIONAL EXPERIENCE (CONTINUED)**

AngelCore Group

**Web Developer Jan 2014 – Jul 2015**

* Responsible for the development of the administrative tool of cars auction website
* Created the administrative tool where users are able to interact with the database and perform actions such as:
  + Adding new cars to the inventory
  + Modifying user account information
  + Adding, editing photos to the cars
  + Changing information about the cars
  + Performing complicated searches
* Provide software support to end users after the Web site was developed

**Technologies: C#, Web Forms, HTML, ASP.NET, CSS, SQL Server 2012, LINQ to Entities**

**Business Watch International** - Coral Spring, FL **Aug 2013- Jan 2014**

***Help Desk Level II***

* Handled an average of 25 calls per day from local and remote users.
* Installed, configured and upgraded software systems.
* Supported user's questions involving various Microsoft programs especially Internet Explorer.
* Entered all calls into the Call Tracking System with detailed problem information and steps taken to attempt resolution.  Assigned unresolved calls to appropriate resources
* Troubleshooter software and connectivity issues in a Windows environment.
* Created and disabled user accounts. Reset and changed passwords.
* Trained new users to use different software created by the company.

**IRM (Institute de readaptation de montreal)** - Montreal, Quebec **Feb 2012 – August 2012**

***Web Developer, Windows Forms***

Creation of a tool (Class) for the exchange of data between the IRM and the RAMQ1- Programming of a class able to establish a connection between the IRM System and the RAMQ System for every transaction (register a payment request or obtain a service request) made by the system of the IRM, it must receive an answer from the RAMQ; these answers are used by the system of the IRM for the treatment of patients and also to order items as the patients need for their treatment.

**Technologies***:* SQL Server 2017, VB.Net (WinForms), ASP.NET

**EDUCATION & CERTIFICATIONS**

* Microsoft Technical Associate in Web Development (2016)
* Microsoft Technical Associate in Database Administration (2015)

College La Salle (AACSB Accredited), Qc, Canada.

**Software Development**

**Major: Programmer Analyst**

**PROUD OF**

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| **Continuous Self-Development:** | Over the last 4 years, developed the habit of continuously improving myself; reading over 10 books a year and studying the new programming technologies that passionate me. |
| **Getting things done the right way:** | My passion for problem solving pushes me to always seek for the best action or solution to any situation in my professional and personal life. |