

# Juan Francisco Jacobo Rodríguez

juan.jacobor73@gmail.com

+1 289 823 0792

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## Education

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Computer Programming and Analysis

Jan 2023 - Present

Niagara College, Welland, On

## Skills

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### Coding Experience

- Developed a fully functional application for a Community-Sponsored Project implementing MVC and ASP.NET in C# with entity Framework.
- Managed databases using SQL queries, store procedures, triggers, indexes, and Power BI.
- Designed and implemented relational database structure required to maintain data for business applications & translated it into an appropriate physical database design.
- Developed software applications implementing multiple programming languages such as JavaScript, Java, Python, SQL, C# and C# frameworks.
- Designed and implemented efficient data processing using PySpark, Hadoop, HDFS, and Azure to handle large volumes of data

### Testing and Troubleshooting

- Tested software systems by using industry standard software development methodologies based on defined specifications and existing technologies/frameworks.
- Tested, diagnose, troubleshoot, document and monitor technical problems using appropriate methodologies and tools.
- Performed unit testing to debug and test code assemblies to ensure integrity and correctness.

### Software Development

- Developed web security including defined users, roles, and security trimming to a web application.
- Developed integrated data-driven web applications such as an online store using SQL Server, LINQ and the Entity Framework.
- Developed web forms and web applications implementing Rapid Application Development techniques.

## Communication

- Provided customer service support in English, and Spanish maintaining professional standards in oral and written communication.
- Coordinated meetings between the team and the clients to align and review project objectives and expectations
- Developed and delivered oral presentations to clients showing the results and progress at the end of each prototype.

## Organization

- Developed documentation that met/followed specific needs and practices for business communication.
- Managed the use of time and other resources to meet deadlines and deliver the projects on time.
- Maintained and follows the rules and procedures of the established organizational protocols and standards.
- Managed tracking documents to organize each task and errors resolution.

## Problem Solving

- Provided multiple solutions to client inquiries while maintaining quality expectations and standards.
- Organized tasks, dividing the most complex ones into smaller ones to implement more efficient tests and solutions
- Developed and delivered reports and summaries of problems or technical difficulties for their troubleshoot and monitoring.

## Work Experience

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### International Student Assistant

Jul 2024 – Present

Niagara College, Welland, ON

### Waiter & Barista

Jan 2022 – Dec 2022

Cafe La Casona, San Salvador, El Salvador

### Math & Physics Tutor

Feb 2020 – Dec 2021

Colegio Garcia Flamenco, San Salvador, El Salvador

## Awards

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President's Honour Roll

Sept 2023

Niagara College