





NICOLE RODRIGUEZ

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PROFILE

I am a **software engineer** with experience in desktop and web development and in AI researching. I specialize in software development with **C#, .NET, and Angular**. Covering a wide range of projects from web applications and sites to desktop apps, assisting with both **frontend and backend aspects**. I am eager to contribute in teams, improving the technological field, and tackling new challenges. **Developing software with good practices** such as scalability, efficiency, portability, and maintainability is just the start.

Teamwork – Leadership – Organization – Problem solving – Ability to work under pressure - Communication

EXPERIENCE

Software Engineer | Leitz Group

JANUARY 2023 – PRESENT | SAN PEDRO SULA, HONDURAS

- Development of a virtual office with involvement in features as: audio and video live meetings, closed captions and transcript generation, reports and statistics generation, real-time status management, and person detection. Assisted in both frontend (Angular) and backend (.NET).
- Migration of .NET projects from OracleDB to PostgreSQL.
- Maintenance of WCF (Windows Communication Foundation) services in .NET Framework.
- Test automation for Dockerized apps with SeleniumIDE.
- Dockerization of apps.
- Building products' management cross-platform desktop application with .NET MAUI hybrid with Blazor and Android mobile application with Xamarin.

EDUCATION

BS Computer Systems Engineering | Summa Cum Laude | UNITEC

2019 – 2023 | SAN PEDRO SULA, HONDURAS

Honored twice with the Jaguar Awards for best grades in the faculty. Received awards in basic, intermediate and advanced computing throughout my degree. Participated in national Hackathon in senior year. Won 2nd place with research in the 5th edition of the National Congress of Science, Technology and Innovation. GPA of 3.9.

TECHNICAL SKILLS

- Web and software development: 2+ years of experience with C#, .NET, Angular.
- Low level programming: Python focused in ML applications, Cpp for data structures.
- Relational DB such as: PostgreSQL, SQL Server, Oracle DB. Non-relational DB such as: Firebase.
- Additional developed skills: .NET MAUI, Blazor, XAML, design principles (SOLID) and design patterns, OOP, ORM like Entity Framework, agile methodologies such as Scrum, UX/UI development, Bootstrap, Angular Material, Language Integrated Query (LINQ), relational algebra in DBMS, REST APIs, Test Driven Development (TDD), Selenium testing, Git version control, Docker, cloud computing with Azure, Postman.

ACTIVITIES

- **Publications:**
Automatic sentiment analysis in Honduran political tweets (<https://doi.org/10.5377/innovare.v11i3.15349>).
 - **Certifications:** Udemy .NET Core Microservices (.NET 8 MVC) (2024), Udemy Machine Learning: Natural Language Processing in Python (2023-24), CISCO CCNA 1, 2, 3 & Security (2022-2023), Udemy Python for Machine Learning & Data Science Masterclass (2022).
 - **Languages:** English (Bilingual Proficiency), Spanish (Native), French (Elementary Proficiency)
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