

Software Developer

Manuel Álvarez

Mexico

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OBJECTIVE

Seeking to leverage my Full Stack experience to contribute to exciting projects. I'm committed to developing quality code and implementing best practices across the software development lifecycle.

PROFESSIONAL EXPERIENCE

Merkuria / Full Stack Developer

July 2024 - Sept 2024

- Implemented **front-end** components and underlying logic using vanilla JavaScript, HTML and CSS to increase user experience.
- Designed and maintained **PostgreSQL** databases to support data-driven applications.

Chubb / Full Stack Developer

July 2022 - June 2024
(internship & part-time)

- Developed **API** solutions using **C#** and the .NET framework to support internal non-technical users, ensuring API **availability** and **maintainability** for over 200 users. I leverage Azure **Service Bus** to enhance reliability and scalability of solutions.
- Enhanced **React** components following **best practices** to promote interactivity and user experience, resulting in improved user satisfaction and engagement.
- Built and maintained **backend components** by producing **clean, maintainable code** and participating in **code reviews**.

PROJECTS

Liverpool / HR Retention Prediction Model

August 2023 - December 2023

- Led the development of an **AI model** using **Python** and **Scikit-learn** to predict employee attrition probability, resulting in enhanced HR management strategies.
- Engineered a **Random Forest model** by analysing location and employee data, increasing prediction by **80%**.
- Designed **interactive visualisations and dashboards** using **Dash** and **Plotly** to share data with stakeholders, facilitating data-driven decision-making.

EDUCATION

B.S. in Industrial & Systems Engineering / Tecnologico de Monterrey

2024

- GPA of **9.4/10**
- Minor in **Data Analytics** and **Artificial Intelligence**
- **Academic Excellence Scholarship**

SKILLS

Programming Languages: **C#**, **TypeScript** & **Javascript**, Python, CSS, HTML

Frameworks: React, **Angular**, .NET

Tools: Git & GitHub, **Azure**, **Docker** & **Kubernetes**

Languages: **English (C1 - Advanced)**, Spanish (Native)

Industry Knowledge: Agile, Scrum, Algorithms & Data Structures