MOISES MATA MARTINEZ

SOFTWARE ENGINEER LEAD - BACK-END DEVELOPMENT SPECIALIST

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PROFESSIONAL PROFILE

Systems Engineer with **+5 years of experience** in developing **applications, services, and microservices using .NET Framework, .NET Core, and SQL Server**. Specialized in building scalable, high-performance solutions across industries such as **finance, retail, and environmental security**. Expert in **software architecture** design and implementation, process optimization, and solving complex technological challenges. Strong focus on **SOLID principles, Clean Code, and Clean Architecture** to ensure quality, maintainability, and scalability. Proven leadership in strategic projects, team management, and **Agile methodologies (Scrum)** for the efficient delivery of innovative solutions. Passionate about continuous improvement, performance optimization, and transforming challenges into opportunities for innovation.

Professional Philosophy: **"Every system can be optimized."**

WORK EXPERIENCIE

SOFTWARE ENGINEER LEAD

Dimex Capital - Monterrey, Nuevo León

april 2019 – july 2024

During the first **two years**, I served as a **Technical Lead**, working directly with the **Development Manager** to define technology strategies, lead teams, and develop critical solutions from scratch. Subsequently, over the next **three years**, my focus shifted more toward **specialized development and the pursuit of architectural solutions**, without direct reports, but with a **40% involvement in architecture definition and 60% in software development and complex problem-solving**.

- Developed clean, scalable, and maintainable code using **.NET (C#, .NET Core, .NET Framework)**, applying **Clean Code and Clean Architecture** principles.
- Implemented cloud-based solutions with Azure, utilizing:
    - **Azure App Services** for web application deployment and management.
    - **Azure Functions** for maintaining serverless processes.
    - **Azure Blob Storage** for file storage and management.
    - **Azure DevOps** for CI/CD management, version control, and automated deployments.
    - **Azure SQL Database** for cloud-based data management.
- Designed and optimized **SQL Server databases**, including **Stored Procedures, Triggers, and Indexing** to enhance efficiency.
- Developed and optimized **RESTful APIs/Web APIs**, ensuring seamless third-party integration and compliance with security standards.
- Led the implementation of microservices architectures, ensuring scalability and modularity.
- Advanced experience in **.NET Core**, leveraging **multi-threading, debugging, and performance optimization**.
- Managed version control using **Git and Team Foundation Server (TFS)**, ensuring code traceability.
- Implemented design patterns **(Strategy, Singleton)** to build robust and maintainable solutions.
- Applied **SOLID** principles and Object-Oriented Programming **(OOP)** to enhance modularity and maintainability.
- Followed Agile methodologies **(Scrum)** to ensure iterative delivery and development efficiency.
- Proactively resolved technical issues, ensuring stability and availability of critical systems.
- Created technical documentation and executed unit and integration testing to guarantee software quality.
- Focused on continuous improvement through research and optimization of technological processes.

This experience allowed me to **evolve from a leadership role to a more technical and architectural focus**, combining **development, strategic solution design, and process optimization** in critical business environments.

IT SR Developer

Exertus - San Pedro Garza García, Nuevo León

september 2018 – march 2019

As part of **Exertus**, I was assigned to **Citifrut**, a leading company in the extraction of orange citrus juice, to develop **key projects** using **Microsoft Power Apps** and provide support for existing enterprise applications.

- Backend development with **C# and .NET Framework**, contributing to robust and scalable applications.
- Frontend development with **ASPX, Bootstrap, and Angular,** ensuring intuitive and responsive interfaces.
- Designed and developed **SQL Server databases,** optimizing performance through **Stored Procedures and Triggers**.
- Implemented layered architecture **(N-tier, MVC, MVVM)** to enhance code modularity and maintainability.
- Developed enterprise solutions with **PowerApps**, integrating automated processes to improve operational efficiency.

This experience allowed me to **delve into the digitalization and automation of business processes**, delivering solutions with **Microsoft Power Apps** and improving authorization management within Citifrut.

IT SR Developer

Intelexion - Monterrey, Nuevo León

march 2018 – september 2018

I was part of the development team responsible for **implementing improvements and addressing client requests** in the company's **human resources software**. My work focused on the **optimization, scalability, and integration** of new features, ensuring a robust product aligned with market needs.

- Backend development with **C# and .NET Framework**, contributing to robust and scalable solutions.
- Designed and developed **SQL Server databases**, optimizing performance with **Stored Procedures and Triggers**.
- Frontend development with **ASP.NET, Ajax, HTML, and jQuery**, creating dynamic and responsive interfaces.
- Implemented **microservices architectures**, ensuring modularity and scalability.
- Integrated systems with **RabbitMQ**, optimizing communication in distributed applications.
- Applied the **MVC design pattern**, ensuring best practices in software development.
- Managed version control with **Git**, ensuring efficient collaboration in development teams.

This experience allowed me to **work directly with clients**, understand their needs, and translate their requirements into **technological solutions** within the HR domain.

IT SR Developer

Cloudcom - Monterrey, Nuevo León

october 2016 – february 2018

Assigned by **Cloudcom** to their client **Soriana**, I was part of the key team that worked on the **unification of CEDIS systems** following the acquisition of **Comercial Mexicana**, ensuring efficient integration and optimal performance of logistics platforms.

- Backend development with **C# and VB in .NET Framework**, contributing to robust and scalable solutions.
- Designed and developed **SQL Server databases**, optimizing performance with Stored Procedures and Triggers.
- Version control with **TortoiseSVN**, ensuring integrity and collaboration in software development.
- Developed **desktop applications** with **WinForms**, designing intuitive and functional interfaces.
- Implemented **Windows Services** for scheduled tasks and **background services**.

This experience allowed me to **work on a high-impact project**, tackling challenges in the **migration and integration of critical platforms** within the retail sector.

SKILLS AND KNOWLEDGE

Software Development and Architecture

- **Languages y Frameworks:** C#, VB, .NET Core, .NET Framework, Entity Framework, LINQ, Redis, Middleware.
- **Principles and Best Practices:** SOLID, Clean Code, Clean Architecture.
- **Web Development and API:** RESTful APIs, REST API, SOAP, Web Services, Swagger, MVC, ASP.NET, HTML, CSS, JavaScript, Angular, Bootstrap.
- **Windows Application Development:** Building desktop applications with WinForms and Windows Services.
- **Microservices:** Design, build, and deploy scalable and decoupled architectures. Understanding of microservices architecture, including design, development, and deployment.
- **Performance Optimization:** Performance Optimization: Ability to optimize services for performance and understand how to design scalable systems.
- **Multi-threading Programming:** Development of concurrent applications and thread management to improve efficiency and performance.
- **Messaging:** Implementation of messaging systems with RabbitMQ for asynchronous communication between services.
- **Distributed Caching:** Implementation of distributed caching systems to improve the performance and scalability of distributed applications.
- **NuGet:** Use, management and development of NuGet packages for integrating libraries and dependencies in .NET projects.
- **JSON and XML:** Manipulation and serialization of data in JSON and XML formats for information exchange and configuration.
- **NLog:** Implementation of structured logging with NLog for application monitoring and diagnostics.

Databases

- **SQL Server:** Database design and optimization, Stored Procedures, Triggers an Indexes.

Cloud & DevOps

- **Azure:** Azure App Services, Azure Blob Storage, Azure SQL DataBase.
- **CI/CD:** Deployment automation and pipelines.
- **DevOps:** Continuous integration and delivery with efficient practices.

Version Control and Tools

- **Code Management:** Git, Team Foundation Server (TFS).
- **Testing and APIs:** Postman for API integration testing.

Methodologies and Project Management

- **Agile (Scrum):** Iterative development and collaborative teamwork in high-performance.

EDUCATION

Computer Systems Engineering

Universidad Tamaulipeca - Reynosa, Tamaulipas

mayo 2023 – agosto 2025

Technical Programmer in Systems

Universidad Tamaulipeca - Reynosa, Tamaulipas

2011 - 2013

CERTIFICATIONS

- [AZ-400T00A: Designing and Implementing Microsoft DevOps solutions](#)
- [AZ-204T00A: Developing Solutions for Microsoft Azure](#)
- [Programming Challenge: Python](#)
- [Secure Development](#)
- [Developing Leaders](#)
- [AZ-900: Microsoft Azure Fundamentals](#)
- [Professional Scrum Master](#)

LANGUAGE

- Spanish Native (Fluent in professional and technical environments)
- English: Technical proficiency in reading and writing (intermediate level)