

FABIÁN SÁNCHEZ MUÑOZ

Systems Engineer

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PROFILE

Senior Software Engineer with 5+ years of experience delivering scalable, high-performance solutions on the Microsoft stack, specializing in C# (.NET Core / .NET 8), ASP.NET MVC, and SQL Server. Proven ability to lead end-to-end development of enterprise systems, from architecture and design to deployment and optimization, with strong expertise in API development, microservices, and performance tuning of data-intensive applications. Experienced in modern engineering practices including CI/CD pipelines, Azure-based environments, and automation frameworks, with a unique strength in bridging development and QA to ensure reliable, production-ready software. Recognized for owning complex systems, modernizing legacy applications, and driving measurable business impact through efficient and maintainable solutions.

EDUCATION

Universidad Fidélitas <i>Cisco Certification – CCNA Switching & Routing</i>	San José, Costa Rica May 2018 – Aug 2018
Universidad Fidélitas Bachelor's Degree in Systems Engineering	San José, Costa Rica May 2018 – Apr 2021
Instituto de Lenguaje Intensa <i>English</i>	San José, Costa Rica Jan 2020 – Jan 2022

PROFESSIONAL EXPERIENCE

PRODUSOFT | San José, Costa Rica

Senior .NET Developer / Technical Lead | Jun 2022 – Present

- Lead the design and development of enterprise-grade applications using C#, ASP.NET MVC, .NET Core, and SQL Server, supporting multiple business domains and clients.
- Architect and implement modular and service-oriented solutions, including RESTful APIs and microservices for system integrations.
- Translate business requirements into scalable technical solutions, making architectural decisions and defining system design patterns.
- Optimize large and complex SQL Server databases, including stored procedures, indexing strategies, and query performance tuning.
- Manage and maintain production environments (IIS), handling deployments, security configurations, and system performance.
- Drive automation and process improvements, reducing manual tasks and improving operational efficiency.
- Collaborate closely with stakeholders, product owners, and cross-functional teams in Agile environments.

Cloud / DevOps & Modernization:

- Design and maintain CI/CD pipelines in Azure DevOps, including automated builds, testing, and deployments.
- Contribute to modernization efforts, refactoring legacy components into more scalable and maintainable architectures.
- Work with integration patterns and cloud-ready architectures, preparing systems for Azure-based deployments.

Key Achievements:

- Delivered 15+ enterprise-level applications currently running in production with high reliability.
- Improved system performance and reduced execution times by 25%+ through optimization and automation.
- Reduced deployment time by 40% by standardizing release and infrastructure processes.

- Increased support efficiency and system stability, achieving 85%+ issue resolution on first contact.

UNISYS | Remote, USA

Software QA Engineer / Automation Engineer | Oct 2023 – Jul 2024

- Designed and implemented scalable automation frameworks in C# (.NET 8) using Selenium WebDriver (POM).
- Integrated automated testing into CI/CD pipelines using Azure DevOps, improving release quality and deployment confidence.
- Performed API and integration testing, validating complex system interactions across distributed services.
- Worked closely with development teams to identify defects early and improve system design quality.
- Participated in large-scale system and data migrations, ensuring consistency, reliability, and minimal disruption.

Key Achievements:

- Reduced regression testing cycles by 50%+ through parallel test execution and automation strategies.
- Established reusable automation standards adopted across multiple teams.
- Recognized as a key contributor in CI/CD and automation best practices.

GROUPS360 | Remote, USA

Quality Assurance Engineer | Jul 2022 – Mar 2023

- Developed and executed comprehensive test strategies for enterprise web platforms.
- Created test cases, validation workflows, and technical documentation to ensure traceability and quality.
- Collaborated with developers to analyze root causes and resolve complex defects before production releases.
- Supported continuous improvement of QA processes within Agile teams.

Key Achievements:

- Reduced production defects by 30% through improved testing strategies and early validation.
- Enhanced collaboration between QA and development teams, improving delivery timelines.

SKILLS & CERTIFICATIONS

Languages & Frameworks:

C#, .NET Core / .NET 8, ASP.NET MVC, JavaScript, Java, LINQ, Entity Framework

Architecture & Concepts:

OOP, Design Patterns, Microservices, REST APIs, Modular Architectures

Databases:

SQL Server, Oracle, T-SQL, Stored Procedures, Query Optimization, Indexing

Cloud & DevOps:

Azure DevOps, CI/CD Pipelines (YAML), Git, IIS, Cloud-ready architectures (Azure exposure)

Automation & QA:

Selenium WebDriver (POM), NUnit, xUnit, API Testing (Postman)

Tools:

Jira, Bitbucket, Trello, ServiceNow, Salesforce

Enterprise Systems:

Softland ERP, Crystal Reports