

Esteban Duque

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SUMMARY

Software Engineer specialized in backend development with .NET and C#. Skilled in building and maintaining scalable, testable systems using gRPC, REST APIs, and cloud-native tools like Azure Functions. Experienced in legacy system maintenance and modernizing architectures within agile teams. Focused on writing clean, maintainable code following DDD and SOLID principles.

EDUCATION

Instituto Tecnológico Metropolitano

Associate's degree in Information Systems – GPA: 4.00/5.00

Medellín, CO

Feb. 2018 – Aug. 2021

EXPERIENCE

Team International

Software Engineer

Medellín, CO

Aug. 2022 – Jul. 2025

- Maintained legacy VB.NET systems and enhanced debugging workflows using NewRelic.
- Integrated logging through NewRelic API to improve traceability of desktop application errors, and also confirm performance degradation and locate root causes.
- Developed a ServiceNow script to auto-update incidents via scheduled jobs, which reduced AppSupport incidents by ~7%.
- Built data migration scripts during system merger using Dapper for transformation.
- Investigated and fixed bugs in legacy .NET Framework 4.8 applications.
- Applied targeted code fixes within VB.NET and C# 7.3 leveraging Microsoft's documentation.

Sistecrédito

Software Developer

Medellín, CO

Dec. 2021 – Aug. 2022

- Designed microservices with gRPC and Protocol Buffers.
- Built and deployed Docker images via CLI for internal services.
- Followed Domain-Driven Design for clean architecture and separation of concerns.
- Structured C# projects using Microsoft conventions and SOLID principles.
- Implemented unit tests with mocks using XUnit, Moq, and NSubstitute.
- Applied extension methods for cleaner, more readable business logic.

MAS Global Consulting

Software Developer

Medellín, CO

May 2021 – Dec. 2021

- Integrated BambooHR API to sync and manage employee data.
- Worked with Azure DevOps Boards and Git Repositories for project delivery.

MAS Global Consulting

Software Developer Intern

Medellín, CO

Nov. 2020 – May 2021

- Analyzed and estimated user stories for payroll processing app.
- Practiced Scrum, Kanban, and SAFe to support agile workflows.
- Contributed to CI/CD pipelines and version control with Git.

SKILLS

Languages: C#, VB.NET, SQL, T-SQL, Protocol Buffers

Frameworks: .NET 6, .NET Framework 4.8, ASP.NET MVC, WinForms, gRPC

Cloud/DevOps: Azure, GitHub Actions, Docker, Kubernetes | **Testing:** XUnit, Moq, NSubstitute

Databases: SQL Server, PostgreSQL, Redis, MongoDB | **Tools:** Git, JIRA, ServiceNow, NewRelic