

Carlos W. Mercado

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PROFESSIONAL SUMMARY

Senior Full-Stack .NET Developer with 4+ years of experience building enterprise applications. Expertise in ASP.NET Core (NET Framework), C#, Entity Framework Core, SQL Server, Angular, REST APIs and Clean Architecture, Docker, GitLab, Agentic AI (Codex) — delivering solutions used by hundreds of users and generating thousands of operational reports.

TECHNICAL SKILLS

Backend	C# · ASP.NET Core (6–10) · ASP.NET MVC / Web API · Entity Framework Core · LINQ · RESTful APIs · OpenAPI / Swagger · NSwag
Frontend	Angular · Angular Material · TypeScript · JavaScript (ES6+) · Bootstrap · HTML5 · CSS3 · AJAX · jQuery
Databases	SQL Server · MongoDB · MySQL
DevOps	Git · GitHub Actions · GitLab CI/CD · Docker · IIS · AWS · Linux (Ubuntu / Fedora)
Mobile	.NET MAUI (some) · Flutter · Dart
AI Eng.	LLM Integration · AI Agents · MCP · Prompt Engineering · Agentic Workflows · AI-Assisted Dev
Patterns	Clean Architecture · N-Layer · SOLID · DDD · Design Patterns · DRY / KISS

PROFESSIONAL EXPERIENCE

Full-Stack .NET Web Developer

Dirección General de Informática y Tecnología · Zapala, Neuquén, Argentina · Jun 2021 – Present

- Designed & developed multiple enterprise applications using ASP.NET Core with multi-layer architecture.
- Built full-stack solutions: backend services, REST APIs, data-access layers and responsive web UIs.
- Implemented authentication & authorization; integrated external systems via REST APIs.
- Designed and optimised SQL Server schemas and Entity Framework Core data layers.
- Deployed to test/production environments (IIS, Docker, GitLab CI/CD); maintained and debugged live systems.
- Served as lead technical contributor on strategic projects; delivered systems serving hundreds of users.

Stack: C# · ASP.NET Core · Entity Framework Core · SQL Server · Angular · Docker · GitLab CI/CD · REST APIs · Clean Architecture

EDUCATION

B.S. in Software Development — GPA 3.91

Brigham Young University–Idaho · Jan 2020 – Apr 2026

A.A.S. in Applied Technology — GPA 3.86

Brigham Young University–Idaho · Jan 2020 – Jul 2023

CERTIFICATIONS

- First Certificate in English (FCE) — Cambridge B2
- Certificate in Computer Programming — BYU-Idaho
- Certificate in Full-Stack Web Development — BYU-Idaho