Henry Carrasco Medina

Full Stack .NET Developer | Angular | SQL Server

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1,000+
changes merged in ten months into a microservice platform

6
company systems I work on: API, web, worker, real time, agent and desktop app

5
personal projects designed and built from end to end

125
automated tests in the signed packaging system

Full Stack .NET and Angular Developer. I build REST APIs with C#, ASP.NET Core Web API and .NET 8, SQL Server databases with T-SQL and stored procedures, and Angular web applications with TypeScript and RxJS. I work with microservices, JWT authentication, SignalR, Redis, Microsoft Graph integrations, Docker, unit testing with xUnit and CI/CD with GitHub Actions, in Scrum teams.

EXPERIENCE

Full stack developer · Umbralix — January 2026 - Present

- I joined as a backend developer and in ten months merged more than 1,000 changes into the .NET API and Angular client of a microservice platform, shipping every month, from the database to the screen.
- I built access control: per-user roles and permissions, access revoked the moment a permission changes, and rejection of unauthorised remote connections.
- I built file management on a NAS: a media explorer, writes with conflict detection and rollback, retried synchronisation from a worker, and scheduled deletion driven by retention policies.
- I built the HR module: employee onboarding and Excel import, a birthday and anniversary dashboard, and automatic announcements that a worker schedules and sends to Microsoft Teams (through Microsoft Graph) and WhatsApp.
- I am the main author of the company's remote support agent (Windows, .NET and SignalR): more than 190 changes up to version 2.21, integrated with the device inventory and with connection occupancy per work order.
- I write the plan before the code: more than 70 technical plans and 21 mockups the team uses to decide how each feature gets built.

C# · .NET · Angular · SQL Server · Dapper · SignalR · Redis · gRPC · Microsoft Graph

PROJECTS

SecurePack System design, cryptography and full development — 2026

Wraps any Windows program in a signed container and decides, with no network, whether it is allowed to run.

C# · .NET · Cryptography · Windows · PowerShell

MercadoMAX System design and full development: database, backend and frontend — 2026

A microservice platform for wholesale markets that follows the goods from the supplier's dispatch note to the sale at the stall.

C# · .NET · Angular · SQL Server · Dapper · Docker

Remote Agent Protocol design and full development — 2026

A Windows desktop agent that any authorized web page can ask to do things on the user's machine.

C# · .NET · SignalR · Windows · Dependency injection

Lapse Design, development and open-source release — 2026

Finds everything that expires in an organization — certificates, domains, Entra ID secrets — assigns an owner, warns in time and checks the renewal happened.

C# · .NET · Native AOT · SQLite · Microsoft Graph · GitHub Actions · Docker · github.com/HenryCarrascoMedina-maco/Lapse

TECHNICAL SKILLS

LANGUAGES	**C#** · **TypeScript** · **SQL (T-SQL)** · JavaScript · Dart · Python · Java · PowerShell
BACKEND	**.NET 8 / .NET Core** · **ASP.NET Core Web API** · **REST APIs** · **Entity Framework Core** · Dapper · SignalR · xUnit · Node.js
FRONTEND	**Angular** · **HTML and CSS** · **RxJS** · SCSS · Angular Material · Flutter
DATA	**SQL Server** · **PostgreSQL** · Redis · SQLite · Supabase
INFRASTRUCTURE AND DELIVERY	**Docker** · **Git** · **GitHub Actions** · Linux · Nginx · Netlify · Cloudflare
LANGUAGES	Spanish (native), intermediate English

EDUCATION

Software Development · ISIL — Instituto San Ignacio de Loyola — 2023 - 2026