

Kevin Santiago Martinez

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Software Engineer | focused on backend, systems design, tooling, and architecture on .NET

SUMMARY

Software Engineer with experience building and evolving production systems across frontend, full stack, and backend contexts. My current specialization is in **C#/.NET**, API design, integrations, domain modeling, and architectural evolution, while still being able to move across other layers when the problem requires it. My professional path gave me a broader engineering perspective through UI work, end-to-end flows, enterprise backend development, automation, tooling, and **CI/CD**. In recent projects I focused on system modernization, modularity, observability, technology migrations, and building maintainable solutions for real production environments. Beyond hands-on development, I also take on technical ownership through standards, code reviews, testing practices, and developer support. I also build tooling and public libraries published on **NuGet**, **PyPI**, and **NPM** to improve developer experience and reduce repetitive work.

SKILLS

Core Engineering	C# , .NET Framework , .NET Core , .NET 8 , .NET 10 , ASP.NET Web API, ASP.NET Core, ASP.NET MVC, REST API design, Clean Architecture, CQRS, modularity.
Data & Persistence	SQL Server , PostgreSQL , MySQL , Entity Framework Core, Dapper, domain modeling, schema design, and query optimization.
Integrations & Cloud	REST, SOAP, external service integrations, token and OTP-based authentication, Amazon Cognito, AWS SNS, S3, SES, PayU.
Delivery & Observability	Git, GitHub Actions, Azure DevOps, Docker, Amazon RDS, CI/CD, cloud deployments, versioning, build/release automation, OpenTelemetry, OpenAPI.
Testing	xUnit, Testcontainers, unit, integration, and architecture testing to enforce architectural guardrails.
Complementary Stack	Python, Django, Flask, React, Next.js, Strapi, WinForms, NuGet, PyPI, NPM.

LANGUAGES

Spanish	Native
English	Professional working proficiency (B2)

EXPERIENCE

- 2025 – Present **Independent Software Engineer (.NET / Tooling / Backend)**, *Contract and open-source work*
- Design and implement APIs, services, and tooling in **C#/.NET**, prioritizing maintainability, production stability, and iterative delivery.
 - Build and publish reusable libraries and utilities for document generation, API consumption, and project bootstrap workflows.
 - Automate builds, releases, and package publishing with **GitHub Actions**, establishing repeatable delivery flows for internal and public distribution.

- 2025 **Software Engineer (.NET)**, *Tobiro SAS*, Remote
- Designed and implemented the backend of Tobiro's CRM in **C# / .NET 8**, later evolved to **.NET 10**, supporting customer, company, operations, and retail ecosystem flows in a **multi-tenant** context.
 - Drove the evolution from an initial **Clean Architecture** base toward a modular backend with explicit inter-module contracts, reducing coupling and improving system evolution.
 - Implemented **CQRS**, domain events, and domain-model improvements to better encapsulate business rules and invariants.
 - Built APIs and integrations with **MySQL/Amazon RDS**, **EF Core**, **Dapper**, **Docker**, **Amazon Cognito**, **SNS**, **S3**, and **SES**.
 - Improved observability and maintainability through **OpenTelemetry**, caching, API versioning, integration tests, architecture tests, GitHub Actions pipelines, a **WinForms** plugin, an internal CLI, and tooling aimed at improving developer experience and operational support.
- 2024 – 2025 **Software Engineer / Backend (.NET)**, *EnterNova SAS*, Remote
- Developed and evolved enterprise systems in **.NET / C#**, **ASP.NET Web API**, and **SQL Server**, focusing on operational continuity, system integrations, and backend improvement.
 - Worked on rebuilding a previously existing PHP solution into a **C# / .NET 8 microservices** architecture deployed on the **Azure** ecosystem, using the previous system as a functional reference while creating a new maintainable base.
 - Implemented and supported operational flows using **Azure DevOps**, **Application Insights**, **SQL Server**, **PostgreSQL**, **Cosmos DB**, **Virtual Machines**, **App Service**, and **API Management**.
 - Took technical leadership responsibilities through code reviews, standards definition, and backend team support.
- 2022 – 2024 **Full Stack / Software Engineer (Consulting)**, *Multiple clients (CEA JMontoya, TulipannStore)*
- Implemented solutions for administrative operations, e-commerce, and internal systems, contributing across backend, data modeling, integrations, and deployment support.
 - At **CEA JMontoya**, worked on a solution built with **React**, **Django**, and **Strapi**; at **TulipannStore**, built frontend features in **React** and integrated payments with **PayU**.
 - Developed APIs, data models, and evolutionary improvements in solutions built with **.NET** and **Python**, including post-release support and external service integrations.

PROJECTS

- Html2Pdf** Development and publication of a **NuGet** library for HTML-to-PDF generation in backend environments. It uses RazorLight templates, PuppeteerSharp rendering, browser pooling, and dependency injection integration to automate reports and operational documents.
- SimpleMediator** Development and publication of a lightweight **NuGet** library to apply the Mediator/CQRS pattern in .NET without external dependencies, reducing repetitive code and improving command/query flow organization.
- Flask Forge CLI** Design and publication of a **PyPI** CLI for bootstrapping Flask projects with initial structure, configuration, and migrations, aimed at speeding up project setup and standardizing development environments.
- light-query** Development and publication of an **NPM** library for API consumption in React through hooks with a minimal API, aimed at reducing integration noise while keeping remote data flows explicit and clear.
- Vanilla SPA** Public exploration of dependency-free frontend architecture to evaluate routing, state, and UI composition on top of native browser APIs. Deployed as a demo to investigate how much runtime a framework actually adds compared to a well-organized native baseline.

EDUCATION

- 2019 – 2024 **B.Sc. Systems Engineering**, *Universidad de los Llanos*
 Highest Saber Pro national exam score distinction.
 Research group member (CYSETH).
 Speaker at SICSYB 2024 Cybersecurity Symposium.

CERTIFICATIONS

Scrum Foundation Professional Certificate (SFPC).

Cisco Cybersecurity Essentials and Networking.