



Jesús Pedro Rodríguez Castro

Senior Software Engineer & Technical Lead

Madrid · remote · 15+ years building business software

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WEB + CV

■ PROFILE

Senior Software Engineer and Technical Lead with 15+ years shipping business software in .NET and Angular. I lead a Scrum team on academic-record management for the Proeduca group and official degree issuance —.NET 8 APIs, Docker and an Angular frontend in production— with DDD, Clean Architecture, Spec-Driven Development, CI/CD and unit test coverage held at 80%. I bring AI into the development cycle where it actually shortens the path.

15+

years of experience

6

years leading a team

80%

unit test coverage

13+

universities supported

■ EXPERIENCE

Technical Lead · Senior Software Engineer

UNIR — Universidad Internacional de La Rioja

2020 — Present

Madrid / remote

- Technical lead of a Scrum team on academic records for the Proeduca group and official degree issuance: domain, .NET 8 APIs and frontend, all in production.
- Project lead for the Python IPN-survey platform across the group (13+ universities), with applied AI models.
- Design and delivery of .NET 8 / C# services and an Angular 18 frontend under DDD, Clean Architecture and the Mediator pattern.
- CI/CD on TeamCity and Azure DevOps, Docker for dev/prod parity, continuous quality with SonarQube and GitFlow.
- Unit test coverage held at 80% and systematic pull-request code review as the gate into main.
- Mentoring, shared engineering practices and critical incident resolution with no service downtime.
- AI applied to the development cycle with Spec-Driven Development (Claude, Codex, OpenCode) and internal automation with n8n.

Analyst and .NET Developer

SOTEC Consulting

Jun 2010 — Feb 2020

Madrid

- Full lifecycle of business-critical applications in C#, ASP.NET, WCF, Oracle and SQL Server for close to ten years.
- Query and performance tuning on Oracle and SQL Server to cut recurring production incidents.
- Legacy-to-modern .NET migrations delivered without interrupting client operations.
- Functional analysis with clients: requirements, estimation and solution documentation.

■ STACK

Backend	.NET 8, C#, ASP.NET Web API, Entity Framework, Python, SQL Server, Oracle
Frontend	Angular 18, TypeScript, RxJS, Astro, Tailwind CSS, Lit
Architecture	DDD, Clean Architecture, CQRS / Mediator, Spec-Driven Development (SDD), microservices, REST APIs
DevOps & quality	Azure DevOps, TeamCity, Docker, GitHub Actions, SonarQube, GitFlow, Vercel, Cloudflare
Applied AI	Azure AI, Claude, Codex, OpenCode, Spec-Driven Development, prompt engineering, n8n
Leadership	Scrum, mentoring, code review, technical hiring

■ SELECTED WORK

Academic records and degrees

UNIR · PROEDUCA · 2020 — PRESENT

Academic-record management for the Proeduca group and official degree issuance: .NET 8 APIs, Docker and an Angular frontend in production.

[See case](#)

Team work manager on Azure DevOps

INTERNAL TOOL · 2026

Internal tool the team uses to manage capacity, sprints and tasks, and to create tickets in Jira and Azure DevOps. FastAPI, Astro and Docker.

[See case](#)

■ EDUCATION, CERTIFICATIONS AND LANGUAGES

Education

MSc in Databases
Microforum · 2001 — 2002

Certifications

Azure Fundamentals (AZ-900)
MCP 70-229: SQL Server
TS 70-515: Web Apps .NET 4
In progress: Azure AI-900

Languages

Spanish — native
English — professional

Let's talk

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