

Jesús David Cosano

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ABOUT ME

Full Stack Developer in training, self-taught in Artificial Intelligence and LLM-based systems. Hands-on experience building applied AI projects, Retrieval-Augmented Generation (RAG) systems, workflow automation, and intelligent tools using Python. Passionate about building real-world solutions by combining software engineering, machine learning, and modern technologies.

EDUCATION

Medac Arena <i>Higher Degree in Web Application Development</i>	Córdoba, Spain <i>Present</i>
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WORK EXPERIENCE

WordPress Developer (Internship) <i>Win Innovación Consultores</i> - Created and optimized custom digital solutions for companies under the Kit Digital program framework. - Translated business requirements into functional, scalable, and results-oriented web platforms. - Collaborated with the development team to improve the architecture and performance of corporate websites.	Feb. 2026 – Mar. 2026 <i>Córdoba, Spain</i>
Full Stack Web Developer <i>Nolito's Burger</i> - Developed a custom booking system and administration panels for restaurant operations. - Managed relational databases and optimized queries for business metric analysis. - Implemented interactive UI/UX designs and SEO optimization strategies.	Jun. 2025 – Oct. 2025 <i>Córdoba, Spain</i>
Freelance Developer & Personal Projects <i>Remote</i> - Built AI-focused projects involving RAG systems, PDF processing, AI agents, automation tools, and applied machine learning. - Developed Better Prompt, a tool to optimize prompt engineering and interactions with AI models. - Designed the web architecture for Usely, an international project for efficient token management in startups. - Led technical development for projects such as Thynko, LinkUp, and the digital platform for I.E.S Manuel Reina.	Jun. 2023 – Present

FEATURED PROJECTS (GITHUB)

Local RAG Knowledge Assistant | *Python, RAG, LLMs, Vector Search, NLP*

- Built a production-style Retrieval-Augmented Generation system for querying PDF documents with grounded answers, citations, persistent vector search, and local document processing.
- Implemented clear module boundaries, inspectable retrieval, configurable LLM providers, source attribution, and basic evaluation hooks for trustworthy AI workflows.

Divinity | *AI Agents, Automation, Git Worktrees, Validation Systems*

- Developed a multi-agent orchestration system that runs the same task through one or more configured agents in isolated Git worktrees.
- Implemented validation, diff capture, logs, and candidate recommendation workflows to identify the strongest result while keeping final approval with the user.

Biochem | *AI Education, PDF Processing, NLP, Interactive Learning*

- Built a web-based educational platform designed to connect complex biochemistry problems with theoretical foundations through visual and interactive tools.
- Implemented PDF parsing workflows to process problem sets and reference material, generating structured and explained solutions from educational content.

JS Doctor | *JavaScript, TypeScript, Security Review, CLI Tools*

- Created a lightweight security review CLI for modern JavaScript and TypeScript projects, especially applications generated or accelerated by AI coding assistants.
- Designed automated inspection workflows to detect unsafe patterns, security risks, and maintainability issues in AI-assisted codebases.

Project Asteria | *Machine Learning, APIs, Fullstack, Data Visualization*

- Developed a full-stack platform for monitoring Near-Earth Objects using NASA APIs and Machine Learning classification systems.
- Integrated scientific datasets, predictive modelling, and real-time visualization to estimate asteroid composition and potential commercial value.

TECHNICAL SKILLS & LANGUAGES

AI & Machine Learning: LLM Integration, Retrieval-Augmented Generation, Prompt Engineering, NLP, AI Agents, Python Automation, Scikit-Learn, Data Analysis.

Software Engineering: Python, JavaScript, TypeScript, FastAPI, REST APIs, SQL/NoSQL, Git, Automation Systems, CLI Development.

Web Development: Full Stack Frameworks, WordPress, UI/UX, Scalable Architectures, API Integration.

Soft Skills: Business Problem Solving, Technical Communication, Teamwork, Agile Methodologies.

Languages: Spanish (Native), English (C1 / B2 with distinction).