

Alejandro Perellón López

Software Developer - Applied AI & Integrations

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PROFESSIONAL PROFILE

Software developer focused on integrating artificial intelligence into business applications. Hands-on experience with RAG architectures, locally hosted language models, vector databases, FastAPI services and workflow automation with n8n. I combine these capabilities with a strong foundation in Java/Spring Boot, data, security and infrastructure.

CORE SKILLS

Applied AI: RAG, Ollama, ChromaDB, local LLMs, ingestion, vectorisation and retrieval

Integration: Python, FastAPI, Java 21, Spring Boot, APIs, PostgreSQL, Docker

Automation: n8n, scripting, workflows and service integration

Technical governance: Privacy, access control, auditing, traceability, validation and local deployment

PROFESSIONAL EXPERIENCE

LIT - Management Platform for a Professional Services Firm - Software Developer | Java, Applied AI & Infrastructure

May 2026 - Present | Madrid, Spain

- Designed and integrated a RAG pipeline for document ingestion, vectorisation and retrieval across business information.
- Developed Python/FastAPI services and connected them to a Java 21/Spring Boot and PostgreSQL application.
- Ran language models locally with Ollama and stored embeddings in ChromaDB to keep data within controlled infrastructure.
- Designed role-based permissions, auditing, traceability and protection of sensitive information.
- Sized and deployed the infrastructure required for the application, storage and local AI workloads.

NATTIA - Software Developer & IT Systems Administrator

Nov 2025 - Present | Las Rozas, Madrid

- Develop business applications using Java/Spring Boot and MySQL/PostgreSQL databases.
- Automate processes using n8n and scripting, integrating services and operational workflows.
- Contribute to requirements, technical design, deployment, systems administration and solution maintenance.

Altia - Data Analyst | Power BI

Mar 2025 - Jun 2025 | Madrid, Spain

- Built dimensional models and migrated Tableau dashboards to Power BI.
- Worked directly with clients to translate business requirements into data solutions.

SELECTED PROJECTS

Paola Glam Art | paolaglamart.es

Professional website with a custom editorial area, n8n automations and AI-assisted drafting and SEO suggestions, with human review before publication.

Technologies: PHP, n8n, technical SEO, Linux, Apache/NGINX

Professional portfolio - alejandropereellon.es | alejandropereellon.es

Bilingual portfolio and technical content platform built with a static architecture, structured content, automated validation and self-managed deployment.

Technologies: Astro, TypeScript, Zod, Tailwind CSS, Git, Linux

EDUCATION AND CERTIFICATION

Advanced Vocational Training in Cross-Platform Application Development | IES Lázaro Cárdenas | 2023 - 2025

Advanced Vocational Training in Networked Computer Systems Administration | IES Lázaro Cárdenas | 2021 - 2023

Languages: Spanish: native | English: B1, currently working towards B2

Certification: n8n + MCP: Workflow Automation and Intelligent AI Agents