

Alejandro Perellón López

Java Backend Developer

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PROFESSIONAL PROFILE

Backend developer with hands-on experience in Java, Spring Boot, SQL and business applications. I work across the full software lifecycle, from requirements and architecture to implementation, deployment and maintenance. I also bring a systems and infrastructure background, plus practical experience integrating automation and applied AI into business-oriented software.

CORE SKILLS

Backend: Java 17/21, Spring Boot, Hibernate, Maven/Gradle, JUnit, Thymeleaf, HTMX
Data and architecture: PostgreSQL, MySQL, SQL, Flyway, data modelling, modular architecture
Delivery: Docker, Git/GitHub, Linux, scripting, deployment and maintenance
Additional strengths: RAG, Ollama, ChromaDB, FastAPI, n8n, systems and networking

PROFESSIONAL EXPERIENCE

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

May 2026 - Present | Madrid, Spain

- Designed and implemented a modular architecture using Java 21, Spring Boot, Thymeleaf, HTMX, PostgreSQL and Flyway.
- Developed and integrated Python/FastAPI services for ingestion, vectorisation and RAG-based retrieval using Ollama and ChromaDB.
- Designed role- and permission-based access controls, auditing, traceability and protection of sensitive information.
- Owned requirements analysis, architecture, implementation, deployment, maintenance and the supporting infrastructure.

NATTIA - Software Developer & IT Systems Administrator

Nov 2025 - Present | Las Rozas, Madrid

- Contribute to requirements gathering, technical design, implementation, maintenance and evolution of business applications.
- Develop backend solutions with Java and Spring Boot, manage MySQL/PostgreSQL databases and automate processes with scripting and n8n.
- Containerise services with Docker, use Git for source control and participate in service and database migrations.
- Provide supporting administration for Windows/Linux servers, networks, DNS, VPNs, Microsoft 365 and Entra ID.

Altia - Data Analyst | Power BI

Mar 2025 - Jun 2025 | Madrid, Spain

- Migrated Tableau dashboards to Power BI and designed dimensional data models.
- Translated client and business requirements into practical data and reporting solutions.

Earlier experience - Customer service, telecommunications and operations

2021 - 2025 | Spain / Germany

- Three years of customer service, onboarding and operational coordination at McDonald's, plus LTE infrastructure and incident documentation experience at ALTEN Spain.

SELECTED PROJECTS

Fat & Happy POS | github.com/alejandropereellon/Fat-Happy

Point-of-sale system for hospitality with a multithreaded client-server architecture, product and permission management, cash sessions, orders, payments and multi-site inventory.

Technologies: Java 17, Hibernate, MariaDB, sockets, Maven

Professional portfolio - alejandropereellon.es | alejandropereellon.es

Bilingual professional portfolio and technical content platform with static architecture, reusable components, validated content and technical SEO.

Technologies: Astro, TypeScript, Tailwind CSS, Zod, 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: Automation and AI Agents