

Backend Developer

Paco López Alarte

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Professional summary

Backend / Full-Stack Developer experienced in REST APIs, integrations, automation, and business-oriented applications. I work with Java/Spring Boot, Node.js, Python, TypeScript, Docker, and databases, focusing on reliable, maintainable services connected to external systems. I bring prior experience in corporate e-commerce and payment integrations, along with knowledge of operations, incident management, and product requirements.

Technical skills

Backend & Languages – Java • Python • Node.js • TypeScript • REST APIs • WebSockets • Microservices • MVC • Layered Architecture • Webhooks

Applied AI – LLMs • Agentic Development • MCP • OpenCode • Codex • Claude

Databases – MySQL • PostgreSQL • MongoDB • InfluxDB • MQTT • Telegraf • Grafana • Real-Time Data

Cloud & DevOps – Docker • Kubernetes • AWS • Git • GitHub Actions • Jenkins • CI/CD • Automation • Distributed Systems

Frontend – React • Angular • HTML • CSS • Tailwind CSS

Professional experience

Stack - Flow

Full-Stack Developer

2025 – 2026

- Collaborative development of a Design System using React and TypeScript.
- Reusable UI components designed for maintainability.
- Frontend architecture and naming convention decisions to ensure scalability.
- Implementation of Atomic Design principles and accessibility standards in shared components.

Lladró

Ecommerce & IT Specialist

2020 – 2024

- Automated business processes and internal tools, reducing operational errors and management time.
- Technically integrated payment gateways (Adyen, PayPal, Amazon Pay) into the ecommerce platform, managing testing, security, and transaction monitoring.
- Designed and built data-driven business dashboards, connecting multiple sources (ERP, ecommerce, logistics) to support decision-making.
- Contributed to frontend development (HTML, CSS, Tailwind) on Magento, collaborating with backend development to ensure consistency across layers and performance.
- Worked with the business area to define realistic technical requirements and align solutions with sales and customer experience goals.

IT Support Manager

2010 – 2020

- Led the IT department (help desk), coordinating user support, incident prioritization, and communication with management.
- Managed infrastructure, networks, and security, including servers, backups, and access policies for corporate environments.
- Designed and automated internal processes (inventory, user onboarding/offboarding, reporting), reducing response times and operating costs.
- Implemented improvements to IT tools and services, measuring their impact on the availability and performance of the company's critical systems.

Projects

OpenCode Chat Panel

- Designed and implemented an MCP (Model Context Protocol) server that exposes OpenCode to external assistants such as Claude, Cursor, and Antigravity, allowing file read/write operations, command execution, and tests to be delegated from any compatible client.
- Chat panel with persistent session management, agent and model selection, and real-time event reception, without leaving the editor.
- Used the OpenCode CLI and API so AI agents can operate on files, run tasks, and launch tests, on a decoupled architecture (UI, communication, and integration) with robust connection-error handling, ready to scale to new models and LLM providers.
- Published on: GitHub, Microsoft Visual Studio Marketplace, and Oracle Open VSX.

Medusse IoT Platform

- End-to-end distributed IoT platform for real-time environmental monitoring, with a microservices architecture orchestrated in Docker (MQTT broker, ingestion, API, real-time processing, and visualization).
- Integration of ESP32 and Raspberry Pi devices via LoRa and MQTT (EMQX broker), with a data pipeline through Telegraf and InfluxDB up to Grafana dashboards.
- Custom REST API and WebSockets exposing devices, sensors, and platform status in real time, with a complete client ecosystem (web and mobile) and a reproducible data flow via environment variables.
- Published on: GitHub.

Industrial Project Management System

- Java backend (Controller–Service–Repository architecture) with business logic, entity relationships, and validation on MySQL.
- CRUD operations and business workflows for managing industrial projects, applying MVC principles and layered architecture.
- Published on: GitHub.

Citabot

- Android application (Flutter) that automates the search for available appointments, with a FastAPI scraping backend, a custom monitoring API, and push notifications via Firebase Cloud Messaging.
- Published on: GitHub and Google Play.

Education

Higher Vocational Training in Web Application Development (DAW)

Final grade: 9/10 | Honors Mentions: 2 | Final Degree Project (TFG) - Grade: 10

Certifications

Angular

LinkedIn — Credential: [Link](#)

Claude Code in Action

Anthropic — Credential: [Link](#)

Advanced cybersecurity in operational technology environments

Aprendeia — Credential: [Link](#)

AWS Generative AI and Cloud Computing

Amazon Web Services — Credentials: [View credential 1](#) • [View credential 2](#)

Project Management, Agile Fundamentals and Microsoft Copilot

Santander Open Academy — Credentials: [View credential 1](#) • [View credential 2](#)

AI initialization course

BIG School — Credential: [Link](#)

Languages

Spanish — Native • Valencian / Catalan — Native • English — Complete professional environment