

Iago Porto Montes

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+2 years of experience delivering scalable, efficient, and cost-effective solutions. Demonstrated ability to optimize system performance and modernize legacy applications, enhancing maintainability and reducing technical debt. Skilled in developing robust backend systems, implementing RESTful APIs, and integrating cross-functional systems. Dedicated to leveraging innovative technologies to address complex business challenges and drive impactful solutions.

PROFESSIONAL EXPERIENCE

Technica Engineering

Software Engineer | Vigo, Spain — April 2025 – Present

- Built a full-stack web server: Python backend (Django) and React frontend.
- Containerized services with Docker and led migration to native Windows deployment
- Implemented CI/CD pipelines in GitLab and integrated the backend with Jenkins to trigger jobs from the web UI.
- Contributed UX/UI enhancements and feature proposals for the application.
- Wrote unit tests in Python (pytest) and React (Jest & React Testing Library).
- Worked in Scrum: sprint planning, daily stand-ups, and backlog refinement.

Imatia

Software Engineer | Vigo, Spain — May 2023 – March 2025

- Developed desktop application features using Java, Spring Boot, and SQL.
- Built REST APIs to integrate systems for telecom equipment management and truck logistics.
- Refactored backend and frontend components to boost performance and maintainability.
- Designed, implemented, and deployed a C++ microservice for license-plate recognition, eliminating third-party OCR dependencies.

SIDE PROJECTS

- **Drone:** Built a Raspberry Pi-controlled drone in C++ using a Linux embedded system for real-time control and sensor data acquisition.
- **AutoGuard:** Developed an Android app for real-time detection of driver distractions and drowsiness using MediaPipe and MPAndroidChart, contributing to enhanced road safety through computer vision.
- **Distributed Event Ticketing System:** Created a distributed ticketing system focused on concurrency by implementing the Ricart-Agrawala algorithm for mutual exclusion and token-based synchronization using the C programming language.

EDUCATION

University of Vigo

Telecommunications Engineering (Specialization in Telematics)

Vigo, Spain — May 2024

TECHNICAL SKILLS

- **Programming languages:** Java, C, C++, JavaScript, Python, SQL.
- **Frameworks & Technologies:** Spring Boot, React, Android.
- **Software Architecture:** Microservices, Hexagonal Architecture, DDD, Event-Driven Architecture.
- **Tools:** Git, Maven, Gradle, Docker, GitHub, Liquibase, RabbitMQ, AWS, MongoDB.
- **Soft Skills:** Teamwork, problem-solving, effective communication, adaptability, fast learner.
- **Languages:** Spanish (native), Galician (native), English (B2).