

CAUÊ FIORINI VENANCIO

Fullstack Developer · Backend Specialist

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ABOUT ME

Fullstack developer with a backend focus, specialized in building scalable and maintainable web applications. My core expertise lies in the Laravel ecosystem and frontend development with React and Vue.js, with hands-on experience in legacy system migrations and domain-driven architecture design.

Currently expanding my stack into the Node.js (Express) and TypeScript ecosystem, aiming to work in more JavaScript end-to-end environments while improving type safety, scalability, and code maintainability for complex applications.

Particularly interested in well-structured API design, modular architecture, asynchronous systems and event-driven patterns, and building robust interfaces with React and TypeScript. Looking for projects where I can contribute my expertise in architecture and migrations while continuing to grow within the Node.js ecosystem.

PROFESSIONAL EXPERIENCE

Fullstack Developer — **Sidetours S.L.** *February 2024 — Present*

Legacy System Migration (AS400 → Laravel Microservices)

Active participation in the progressive migration of the main system from AS400 and DB2 to a microservices architecture using Laravel, Vue, and Tailwind.

- Designed and implemented new microservice features applying DDD principles (ubiquitous language) and Ports & Adapters architecture.
- Implemented and consumed RabbitMQ using a choreography approach, and applied the SAGA pattern through an internal library reusable across multiple microservices.
- Improved code quality using SonarQube and PHPStan.
- Automated CI/CD pipelines using Jenkins.
- Centralized log management with the ELK stack (Elasticsearch, Logstash, Kibana) for cross-microservice observability.
- Automated previously manual processes, reducing operational errors and legacy system dependency.
- Designed and implemented global Value Objects in a shared internal library.
- Created an internal DSL for query optimization with advanced filtering capabilities.
- Containerized microservices using Docker.
- Improved user experience and onboarding for new employees.

Price Discrepancy Detection System

Built an internal tool for detecting and analyzing discrepancies between internal prices and supplier data.

- Automated dataset comparison using FastAPI.
- Generated structured reports supported by a language model (Gemini) to identify matches and anomalies.
- Improved traceability and control of commercial inconsistencies.

Automated Process Migration & Architecture Improvement

Migrated automated processes from AS400 to a modern stack using Laravel, Inertia, and React (TypeScript).

- Redesigned business workflows to improve scalability and maintainability.
- Implemented queue system and async processing using Redis, jobs, schedule:work, and queue:work.
- Optimized email management and scheduled tasks.
- Built dashboards and statistics using shadcn/ui.
- Progressive refactoring to reduce dependency on the legacy environment.

EDUCATION

Higher Vocational Training — Web Application Development (DAW)

CIFP Pau Casanovas · In progress

Intermediate Vocational Training — Microcomputer Systems and Networks

CC Aula Balear · 2022 – 2024

TECHNICAL SKILLS

Backend: Laravel, PHP, Node.js (Express), FastAPI, Python

Frontend: React, Vue.js, TypeScript, Inertia.js, Tailwind CSS, shadcn/ui

Architecture: DDD, Ports & Adapters, Microservices, SAGA Pattern, Event-driven

Messaging & Queues: RabbitMQ, Redis (jobs, queues)

DevOps & Observability: Docker, Jenkins (CI/CD), ELK Stack, SonarQube, PHPStan

Other: JWT, Data Structures & Algorithms (DSA), REST APIs, AI integrations (Gemini)

LANGUAGES

Portuguese (Brazil) Native · **Spanish** Fluent · **English** B2 (EOI) · **Catalan** Advanced

ADDITIONAL INFORMATION

Nationalities: Brazilian and Italian · **Availability:** Open to travel