

# Jordi Fernandes Alves

Senior Backend Engineer | Scalable APIs • Symfony • Enterprise Systems • Technical Lead

jfadev@gmail.com · linkedin.com/in/jfadev · Barcelona, Spain

## PROFESSIONAL SUMMARY

Senior Backend Engineer with nearly two decades of experience designing and delivering business-critical systems, with strong focus on backend architecture, domain modeling and technical leadership. Specialized in Symfony / PHP ecosystems, scalable backend architectures, complex domain logic and full-cycle product delivery. Built platforms from scratch across logistics, insurance, SaaS messaging and operational environments, combining hands-on engineering with technical leadership. International experience across France, Andorra, Spain and Brazil, collaborating with multicultural teams and business stakeholders in diverse operational environments.

## CORE SKILLS

Symfony	PHP	REST APIs	API Platform	System Design	System Architecture	Backend Architecture	
Domain Modeling	Distributed Systems Design	Complex Business Logic Systems	Scalability	PostgreSQL			
MySQL	Docker	Linux	CI/CD	Queues (Symfony Messenger)	Integrations	Vue.js	Technical Leadership

## PROFESSIONAL EXPERIENCE

### Senior Software Engineer – Freight Contract Management Platform

Pura Comunicação · Rio de Janeiro, Brazil (Remote Consulting Engagement) · 2024 – Present

- Technical lead and principal engineer for an internal freight contract management system developed for Tide Maritime, a Brazilian shipbroking company specializing in global maritime chartering operations (tankers, dry bulk and offshore energy logistics).
- Designed and implemented a complex domain-driven platform supporting end-to-end chartering workflows, including vessels, owners, charterers, cargo operations, ports, contracts, financial tracking and operational checklists.
- Built advanced pricing and contract calculation engines handling freight rates, commissions, demurrage scenarios, and multi-variable commercial agreements across Spot, Time Charter and COA contract types.
- Developed a modular backend architecture using Symfony and API Platform with highly structured domain entities and business rules reflecting real-world maritime brokerage operations.
- Implemented asynchronous event-driven workflows using queues, cron jobs and email notification systems for contract updates, operational alerts and financial milestones.
- Designed and delivered a full operational system used internally by brokerage teams, replacing fragmented manual workflows with a centralized digital platform.
- System development was paused following geopolitical disruptions affecting maritime routes (including strategic chokepoints such as the Strait of Hormuz), leading to reduced operational activity from the client.

## **Senior Software Engineer – Guarantee Insurance Management Platform**

Pura Comunicação · Rio de Janeiro, Brazil (Remote Consulting Engagement) · 2023

- Technical lead for the development of the Globus Guarantee Insurance Management (3G) platform for Globus Seguros, a major independent insurance brokerage in Brazil operating as a technology intermediary between clients and insurers.
- Designed and implemented a business-critical insurance operations system managing insurers, policyholders, insurance policies, claims, and guarantee premium calculations.
- Built a centralized document repository for policyholder and policy registration data, enabling real-time access and continuous synchronization of operational information across teams.
- Developed role-based real-time dashboards providing operational visibility and key business metrics tailored to different user profiles within the organization.
- Implemented version-controlled deployment workflows integrated with the development lifecycle, ensuring synchronized environment promotion and safe production releases.
- Delivered a full-stack solution using Symfony (PHP) backend and API Platform, with a Quasar Framework (Vue.js) frontend, built in close collaboration with the insurance operations team.
- System remains in active production use by insurance brokers and insurers, supporting internal operations rather than public-facing services.
- Designed to support daily mission-critical brokerage operations and replace fragmented manual workflows with a centralized trading and contract management system.

## **Senior Software Engineer – Enterprise Systems & Product Development**

Pura Comunicação · Rio de Janeiro, Brazil · 2014 – 2023

- Started as a PHP Backend Developer and evolved into a Senior Software Engineer delivering end-to-end software solutions across multiple industries over a 9-year period.
- Built and maintained a wide range of custom business systems including enterprise web platforms, e-commerce solutions (including WordPress-based systems), and bespoke operational tools for clients across logistics, services, retail and real estate sectors.
- Progressively expanded technical scope from legacy PHP frameworks (CodeIgniter, early Symfony) to modern architectures using Symfony 5/6, REST APIs, and Vue.js frontends.
- Led full lifecycle development including system architecture, database design, backend implementation, frontend integration and deployment across VPS and cloud environments.
- Designed and integrated multiple payment gateway systems for Brazilian market requirements (including local banking, PIX and regional PSP integrations).
- Worked across the full infrastructure evolution from traditional WAMP-based deployments to containerized and cloud-hosted environments, improving scalability, reliability and maintainability of production systems.
- Served as technical lead on multiple client projects, progressively taking ownership of architecture decisions and delivery of production systems.

## Lead Software Engineer – NETIC SaaS Messaging Platform

GROUPNET · Vigo, Spain (Remote Consulting Engagement) · 2019 – 2022

- Technical lead and backend architect of a multi-tenant industrial SaaS platform deployed across 6 industrial manufacturing sites (DTSP Vigo, AdG Vigo, BW Vigo, BW El Salto, VigComunica, Faurecia Vigo).
- Designed and implemented a real-time enterprise messaging system using Symfony 5, API Platform and Mercure, enabling internal communication, operational coordination and workforce collaboration at scale.
- Delivered webview mobile applications (iOS and Android) for each client organization, supporting secure messaging, company announcements, multimedia sharing and daily operational workflows.
- Integrated enterprise systems to distribute sensitive documents such as payroll slips and tax declarations directly into employee mobile applications.
- Led cloud infrastructure redesign and migration from DigitalOcean to Microsoft Azure, leveraging a Microsoft cloud grant and implementing horizontal autoscaling architecture.
- Platform reached 600 active users in a single major enterprise deployment (Faurecia Vigo), with multi-site expansion prior to project shutdown due to COVID-related factory closures.

## Early Career Engineering Experience

2006 – 2010

- Microsoft Dynamics AX ERP development using X++ / MorphX.
- C# / ASP.NET business applications and custom web solutions.
- PHP/MySQL systems plus Oracle and SQL Server environments.

## EDUCATION & CERTIFICATIONS

---

### Lycée Victor Hugo, Marseille

BTS Software Engineering

2005 – 2007

### Microsoft AX 4.0

MorphX Solution Development

### Lycée Comte de Foix, Andorra

Baccalauréat Scientifique · 2002 – 2003

## LANGUAGES

---

Catalan (Native) · Spanish (Native) · French (Native) · Portuguese (Native) · English (Professional Written & Technical Proficiency)