Javier Zapata

Software Developer & Tech Lead

javierzapata82@gmail.com · Madrid, Spain · javi.io · linkedin.com/in/jzfgo · github.com/jzfgo

SUMMARY

Senior Software Engineer, Tech Lead, and Founding Engineer with extensive experience as a Full Stack Engineer. Specialized in architecting scalable web applications, designing robust APIs, and leading collaborative engineering teams to deliver high-impact products.

PROFESSIONAL EXPERIENCE

Interacso Nov 2022 – Present

Tech Lead · Madrid, Spain

- Lead technical architecture for enterprise clients: headless ecommerce for Porcelanosa (Next.js 15 + Adobe Commerce, 3 global markets), regulatory compliance system for MIBGAS (NestJS 11 + Next.js 15, monitoring Spain's natural gas market), and 3D data art experience for Solán de Cabras × LaLiga (Next.js 15 + Three.js)
- Led API standardization (API Blueprint) and foundational squad creation at Quadrant Travel Cloud (40-person team)
- Unblocked the Sony Pictures Spain migration from GCP to AWS (ECS + RDS) by solving the SQLite-to-PostgreSQL database migration with pgloader
- Lead new projects from scratch: monorepos, CI/CD, test suites, and integrations — then mentor the team by example and collaborative technical decisions

Fly-Fut Apr 2021 – Nov 2022

Tech Lead · Madrid, Spain

- Audited the existing platform before the redesign: documented critical security vulnerabilities, a complete absence of schema versioning, MongoDB misused for a 93%-relational data model, and an API with 50 controllers and 300+ unversioned endpoints — a diagnosis that drove every architectural decision in the replacement system
- Solely designed and built the Fly-Fut Ligas backend: modular NestJS API with three auth scopes and hierarchical RBAC, dual payment system (Stripe + Apple In-App Purchases), PostgreSQL domain model (85 entities, 175 migrations), and three fully isolated environments with CI/CD
- Built the video orchestration pipeline that coordinates ingestion, AI event detection (SoccerNet, YOLOv5), encoding, and publishing of drone footage to the consumer app
- Designed and built the Fly-Fut Pro autonomous drone control iPad App PoC (Vue/Nuxt, Firebase real-time sync)

Bahiazul Resort Apr 2020 – Mar 2021

Tech Lead & Creative Director · Madrid, Spain

- Redesigned the resort's primary booking website (Next.js, TypeScript, Firebase SSR) — historically responsible for over 50% of bookings — with rich media, mobile-first design, and MDX-driven content
- Built an internal Design System used across all web and mobile products (Sketch)
- Delivered two additional digital products: a Svelte mobile-first Digital Kiosk (QR-based guest guide) and post-COVID email marketing campaigns with A/B testing and audience segmentation

Piensa Diferente Jul 2013 – Mar 2020

Head of Technology · Madrid, Spain

- Co-founded and led technology at a hospitality startup: built the Bahiazul Resort website (PHP/CodeIgniter) and a custom PMS from scratch (PHP/Yii), managing a rotating team and external contractors throughout 7 years
- Led architecture, frontend development, and UX/UI on projects both inside and outside the hospitality core: mobile companion app for Las Colinas Golf & Country Club (Un Mundo Aparte, Sketch), LaLiga promo for Mahou (React/Redux), and data visualization for Fundación Telefónica (SDiE 2017, React)

- Owned cloud architecture, IT operations, and supervised external contractors across all client projects

Neo Labels May 2006 – Jun 2013

Designer → R&D&i Consultant · Madrid, Spain

- Delivered digital products end-to-end — from UX to full-stack — for digital campaigns and mobile applications across seven years
- Designed the game mechanics and UX for English Monstruo (Cambridge University Press): a Brain Trainer mobile game that won the Smile Award 2013 and a 5-star rating on Apple's App Store
- Technical Advisor on mobile apps for Telefónica Movistar (Bike & Go, Aramón Snow & Go) and Telefónica's collaboration with chef Ferran Adrià (Adrià en casa)

Sharemusic! May 2006 – Dec 2010

Designer → Creative Director · Madrid, Spain

- Performed a full code rewrite and UI redesign of atopechavalote.com (PHP/CodeIgniter/MySQL) — one of Spain's first social networks for nightlife, reaching 25,000 registered users
- Evolved from UI Designer to Creative Director: led branding, UX/UI design, and digital strategy

CERTIFICATIONS

Master.Dev Aug 2026
Python for Professional Developers

Google Cloud Jun 2026
Generative AI Leader

Master.Dev Jun 2026
Playwright: Automated Testing & AI Workflows

Master.Dev Jun 2026
Practical Prompt Engineering

Master.Dev Jun 2026
Claude Code

Anthropic Mar 2026
Model Context Protocol: Advanced Topics

Anthropic Mar 2026
Claude Code in Action

Master.Dev Feb 2026
Practical Guide to Python

NestJS Nov 2024
NestJS Microservices

JustJavascript Sep 2022
JavaScript Mental Models (Season 1)

NestJS Sep 2022
NestJS GraphQL — Schema-first approach

Bostype Nov 2020
Advanced React and GraphQL

SKILLS

TypeScript · Google Cloud Platform (GCP) · React · Next.js · Agentic AI Development · PostgreSQL · Python · Claude Code · REST API Design · Docker · Monorepo · Firebase · Node.js · BFF Pattern · Full Stack Development · Cloud Architecture · Software Architecture · Technology Leadership · Payload CMS · Alembic · FastAPI · Pydantic · AI Engineering · Spec Driven Development · Agentic Automation

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