# Daniel Gil

FULL-STACK
AUTOMATION & AI

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## PROFILE

Telecommunications Engineer and **backend-first full-stack developer** who puts **AI at the core of the product**. I build **real-time, event-driven platforms** with NestJS, Next.js and PostgreSQL, and ship LLM features that work in production. I enjoy turning complex business processes into simple, reliable systems, and I own delivery end to end, from architecture to deployment.

## TECHNOLOGIES

- TypeScript, React, Next.js (SSR), Tailwind, PixiJS
- Node.js, NestJS, Python, WebSockets, JWT, LLM agents, RAG
- PostgreSQL (TypeORM, Prisma), Redis, Snowflake
- Kafka, RabbitMQ, n8n
- AWS, Docker, Kubernetes, ArgoCD
- Vitest, Playwright, k6, Sentry, Grafana

## SELECTED PROJECTS

- **Ronin Rush & SpotKick** (personal) · real-time multiplayer games with WebSockets, provably fair engine and double-entry wallet; 1,000 concurrent players at p95 7 ms.
- **Dropzone** · high-demand ticketing with waiting room, Redis seat holds and Stripe 3D Secure; 2,000 users on 1,500 seats, 0 % errors, no double sales.
- **AI Agent Orchestrator** · multi-agent LLM system with live tracing, workflow graph and per-run token cost.

+ live demos at danielgil.eu

## EXPERIENCE

### FULL-STACK & AI ENGINEER
Freelance
2025 – Present

- AI-powered web platforms and automations, end to end, with NestJS, Next.js, PostgreSQL and Redis.

### LEAD FULL-STACK & AI ENGINEER
Agrogarpe SL · Pavimentos Generalife SL · Entecsa SL...
2022 – Present

- Multi-user operations platforms per company: accounting, invoicing, calls and messaging (NestJS, Next.js, PostgreSQL, RabbitMQ).
- AI voice agent and LLM automations for calls and WhatsApp, saving hundreds of hours.
- Agrogarpe: e-commerce platform and catalogue pipeline (~5,900 products).

### DATA ENGINEER
REPSOL
2024 – 2025

- High-volume batch and streaming pipelines (Kafka, Snowflake, dbt, Python) feeding real-time KPI dashboards.
- Anomaly detection and data-quality checks with alerting in Grafana.
- Query and model optimisation on AWS that cut processing time and cost.

### FULL-STACK DEVELOPER
Xibanya Imports
2022 – 2024

- Internal platform for stock, orders and payments: Node.js REST APIs, React and PostgreSQL with transactional integrity.
- Live order and stock updates over WebSockets; background jobs with queues and retries.
- Dockerised services with CI/CD in GitHub Actions and E2E tests in Playwright.