Sergio Rodríguez Pérez

Full Stack & AI Engineering · Go · Rust · TypeScript

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SUMMARY

Full stack developer who learns by shipping real products: **two SaaS platforms** and **local LLM apps** where the code computes the figures and the model explains them. Strong on the backend, comfortable on the frontend.

WORK EXPERIENCE

Full Stack & AI Engineer — Galdeca TSF

Nov 2026 — Present

- Full stack development of digital products and web platforms across startup factory ventures.
- Integration of **applied AI**, intelligent agents, and language models into product workflows.

Salesforce Full Stack Developer — VASS

Internship

- Built **Lightning Web Components (LWC)** and **Apex** business logic for customer portals; managed permissions and releases to pre-production.

Frontend Developer — CRC

Internship

- Built an **Angular** web app deployed on **AWS EC2**, with parallel processing of REST API responses.

Network Technician — Erasmus

International

- Network support and configuration, working in English with international clients.

PERSONAL PROJECTS

HR management suite (HCM)

2026

HR platform for companies: time tracking, shift scheduling, payroll, documents and internal messaging.

Go · PostgreSQL · React 19 · TypeScript · Docker

- Architecture of **17 Go microservices** communicating through events, backed by 300+ commits.
- Real-time internal messaging with **end-to-end encryption** and a web client with an interactive org chart.

Nexora — modular CRM/ERP

2026

Each client only accesses the modules they subscribe to: projects, tickets, contracts and invoicing.

Rust · PostgreSQL · Angular 20 · Docker

- **Rust** API with strict data isolation between clients and response times under **50 ms**.
- Invoicing with legally compliant numbering and credit notes, **Angular 20** admin panel and self-managed deployment with automatic HTTPS.

invest-ai — local-AI investment research

2026

Assesses whether an asset is a good investment using live market data and an LLM that runs locally.

Rust · axum · SQLite · React 19 · TypeScript · Ollama

- A **verifier** drops any LLM figure that is not in the data, and every claim cites its source.
- Chat with **tool calling** over live data, hybrid **RAG** (FTS5 + embeddings) and **1,200+ tests**.

EDUCATION

Multiplatform Application Development
Higher vocational diploma (EQF 5) · 2024 — 2026

Microcomputer Systems and Networks
Vocational diploma (EQF 4) · IES Virgen de la Paloma · 2022 — 2024

Cybersecurity
Masterd Mind AC

TECH STACK

Languages
Go, Rust, TypeScript, Java, Python, Kotlin

Frontend
Angular, React, Vite, HTML/CSS

Applied AI
Ollama, LangChain.js, RAG, pgvector, PyTorch

Infrastructure
Docker, AWS, Linux, Git

Backend & data
PostgreSQL, Redis, MySQL, Oracle SQL, MongoDB, REST/OpenAPI

Architecture & security
Microservices, hexagonal, multi-tenant, WebSockets, JWT, MFA/TOTP

LANGUAGES

Spanish — Native
English — B2 · Upper-intermediate

ALSO

Local-LLM advisor in Cuentas (LangChain.js, pgvector), Angular and PyTorch chatbot (final-year project), Go service monitor.