Lucas García Rubio

Software Engineer · Backend · Go · AI Tooling

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Summary

Full-stack software engineer with end-to-end experience in .NET (C#), React, PostgreSQL and Redis. Currently focused on backend and AI-agent tooling, with continuous self-directed learning in Go, MCP and RAG pipelines.

Experience

Software Engineer, NOVEX · Footwear Technology Centre of La Rioja (CTCR) – Arnedo, La Rioja June 2026 – present

- Full-stack development of custom software solutions for clients, covering frontend, backend, databases and service integration.
- Built backend APIs and services with .NET (C#), including data modelling and optimisation in PostgreSQL and caching with Redis.
- Developed interfaces with React and TypeScript; used Docker and Git for containerisation and version control in agile teams.

Full Stack Engineer (Internship), Standard Profil Group – La Rioja, Spain Mar 2024 – June 2025

Two internship periods: March–May 2024 and January–June 2025.

- Full-stack development of internal tools and dashboards for plant and business teams.
- Backend with C# and ASP.NET and Python scripting on Ignition (SCADA) for automation and data visualisation.

Projects

Car Import from Germany

Go backend + AI-agent pipeline · Personal project (in progress)

- Go API for scraping and managing vehicle data.
- Agent service built with adk-go, MCPs and RAG with external inference; human-in-the-loop flow designed for full automation.

Elephantlove

Full-stack e-commerce · Public project

- Initial full-stack build with Next.js, Nest.js and Stripe; later migrated to a static showcase site to reduce costs.

Education

Universidad Internacional de La Rioja (UNIR), MSc in Development and Operations (DevOps) 2027 – Spain
In progress · expected completion 2027.

University of Sunderland, BSc (Hons) in Computer Systems Engineering – United Kingdom 2026
First Class Honours.

Skills

Languages: Go, Python, C#, TypeScript, JavaScript, SQL

Backend: .NET / ASP.NET, REST APIs, PostgreSQL, Redis, Nest.js

Frontend: React, Next.js, TypeScript

AI & Agents: MCP, RAG, adk-go, agent pipelines, LLM integration

Infrastructure: Docker, Git, CI/CD, agile methodologies (Scrum)

Languages

Spanish: Native

English: Professional proficiency

French: Basic