Luis del Rio Francos

25.05.1986, CDMX, Mexico

Lead Backend Engineer
14+ years building scalable systems from scratch.
Expert in Go, Python, and cloud-native architecture (GCP, Kubernetes). Proven track record leading teams, modernizing legacy systems, and delivering mission-critical applications in energy tech and edtech.

Core Technologies

Backend: Go (Huma, Gorilla Mux), Python (FastAPI, Pydantic, SQLModel)
Cloud & DevOps: GCP, Kubernetes, Docker, Terraform, Pub/Sub, Microservices
Databases: PostgreSQL, BigQuery, MongoDB, Redis

Experience

Peak Power | Co-Founder & CTO
Nov 2021 – Present

Built real-time control system for MW-scale battery storage, enabling automated energy trading.
Architected secure hybrid infrastructure: Go/Python microservices on GCP with WireGuard VPN to industrial networks.
Developed complete platform, achieving regulatory certification (aFRR in Netherlands)
Tech: Go, Python, GCP (Kubernetes, Pub/Sub, BigQuery), PostgreSQL, Terraform

Charly.education | Lead Backend Developer
Apr 2019 – Aug 2021

Led backend team (4 engineers) in Agile environment, migrating Django monolith to microservices on Kubernetes
Owned infrastructure (Terraform, CircleCI) and supported data team with ETL pipelines
Co-led hiring during CTO transition while maintaining platform stability
Tech: Go, Python, Kubernetes, Terraform, GCP, PostgreSQL

ALBA.ai / Lupe Toys | Lead Backend Developer
Sep 2016 – Mar 2019

Built full-stack IoT platform (Django backend, Arduino/C++ firmware) for educational smart toys
Pivoted to ML-based creativity assessment platform using clustering algorithms
Tech: Python (Django, Scikit-learn), Arduino/C++, PostgreSQL

Konfio | Senior Backend Developer / Team Lead
Nov 2015 – Aug 2016

In charge of backoffice tool maintaining PHP/Zend monolith for fintech credit management
Modernized system with Node.js microservices for banking integrations
Tech: PHP (Zend), Node.js, MySQL

Key Strengths

- Built multiple systems from scratch to production
- Migrated legacy monoliths to microservices on Kubernetes
- Reduced infrastructure costs through horizontal scaling and cluster optimization
- Rapidly develops deep codebase ownership and solves complex technical challenges

Languages

Spanish (Native), English (Fluent), German (Basic)

Luis del Río Francos | Plaza de Trilla 4, 08012, Barcelona | LinkedIn | ldelriof@gmail.com