

Marcos Infante

Amsterdam, NL | +31 06 20127319 | +34 644 983 344

me@marcosinfante.com | marcosinfante.com | [LinkedIn](#) | [GitHub](#)

EDUCATION

Universidad de La Rioja

Graduated Jul 2025

Bachelor's Degree in Computer Engineering

Logroño, SP

- Coursework: Networking, full-stack development, modern computer architecture, database design, agile methodologies and app development, with a solid statistical and mathematical base.
- Optional studies: Industrial automation and artificial intelligence.

Harvard University

Introduction to computer science, EdX

Oct 2025

- Coursework: Abstraction algorithms, data structures, encapsulation, resource management, security, software engineering and web development.

EXPERIENCE

SDG Group Spain

Sep 2024 – Jun 2025

Data Engineering Internship

- Designed and implemented a modular ETL system for unstructured data (text, audio, video), orchestrating the pipelines between the different system modules.
- Studied and integrated LLMs for metadata generation and event detection, with its own tailored API and containerization. Tailored said data for optimal storage in vector databases such as Qdrant.
- Completely built a custom UI focusing on user necessities and flexibility.
- Learned a lot and gained very important work and life experience.

PROJECTS

Spanning 2024 and 2025

Conversational assistant for YAML generation. | Website | Github

Applied AI + Developer Productivity (AI Engineering)

- AI-powered conversational assistant that generates and validates YAML configurations using OpenAI + Lang Chain + Streamlit + FastApi.

CLI for data-contract validation | Website | Github

Datacontracts and Validation Systems (Data Engineering)

- Lightweight Python tool for automated schema and datacontract validation in ETL pipelines.

AI enhanced ETL system | Website | Github

Intelligent Data Pipelines / MLOps (Data Engineering)

- Modular ETL framework integrating LLMs for metadata extraction and intelligent event detection.

Portfolio Website | Website | Github

Frontend Development

- Cinematic React-based portfolio focused on interactivity, smooth motion and parallax design.

SKILLS

Languages

HTML, CSS, JavaScript, TypeScript,
Python, Java, C++, C, Kotlin, SQL, Bash

Learning / Adapting to

Next.js, Rust, Cloud Deployment (AWS /
GCP)

Technical Skills

Data & Backend

*Pandas, Polars, Airflow, FastAPI, YAML,
JSONSchema, CLI (Click / Typer),
Docker, GitHub Actions*

AI & Automation

*OpenAI API, LangChain, Transformers, Intelligent
ETL Systems, Prompt Engineering, LLM Integration*

Development Practices

*Agile / Scrum, Version Control (Git), CI/CD,
Modular Architecture, Containerization, Agile
Methodologies*

Frontend Development

*React, Vite, Framer Motion, CSS-in-JS, SVG
animation, Responsive Design*
