



IGNACIO BALASCH SOLA

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ABOUT ME

Industrial engineer with experience in data engineering, cloud systems, and applied ML. I work closely with AI tools — they're part of how I learn and how I build. I'm interested in where AI agents are going and the kind of products they'll make possible.

LANGUAGES

Spanish (Native) English (Native)

EDUCATION

B.Eng. Industrial Engineering
Pontifical Univ. of Comillas (ICAI)
2019 – 2025 Madrid

Entrepreneurship Bootcamp
Pontifical Univ. of Comillas
2022–2024 Madrid

CS50
HarvardX
2024 – 2025 Online

CS50 SQL
HarvardX
2024 – 2025 Online

SKILLS

Core

Python
SQL



Data Engineering & ML

Pandas
Scikit-learn



AWS Serverless

Redshift
Lambda
S3
Step Functions
EventBridge



Optimization

Pyomo



Data Visualization

Tableau
QuickSight



AI Agent Orchestration

Cursor
Codex
Claude Code
OpenClaw



Embedding AI in Systems

REST API integration
Embeddings



DevOps

Git
Docker
Kubernetes



BUILDING TOWARDS

Terraform (IaC)
CI/CD Pipelines



Docker
Kubernetes



EXPERIENCE

Software Development Engineer Intern

Amazon

Sep 2025 – Feb 2026 Madrid, Spain

- Designed and built a system that monitors warehouse operations across a European robotized network in real time, replacing a manual process that consumed hundreds of specialist-hours daily.
- Serverless pipeline (Lambda, Step Functions, EventBridge, Redshift) with infrastructure as code (AWS CDK, co-developed with a senior engineer).
- Project write-up

Data & Analytics Intern – Undergraduate Thesis

Cigna Healthcare

Sep 2024 – Jul 2025 Madrid, Spain

- Built the analytics layer for the individual policyholder portfolio: ETL pipelines, Tableau dashboards, and customer segmentation. Trained ML models (Scikit-learn, XGBoost) for cost prediction and benchmarked them against actuarial pricing.
- Project write-up

Data Intern

Wequity (ESG AI Startup)

Jul – Oct 2023 Brussels, Belgium

- First real exposure to building software. Learned Docker, Kubernetes, and API development. Built a Google Sheets integration that called OpenAI through a custom REST API.