



# 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: Introduction to CS  
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

### Business Intelligence 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

### Business Intelligence 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.