



Nicolas J. Aguilar

Data Engineer

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📍 Barcelona, Spain · 💬 [Nicolas J.](#) · 🌐 [nijordia](#) · 📥 Portfolio

About

Resourceful Data Engineer and tech geek eager for new challenges. Experienced in ETLs, data warehouse, dashboards, and web analytics and a specialist in digesting complex data into measurable actions. Committed team player with a multidisciplinary mindset.

Programming Languages



Cloud & Tools



Languages



AI Tools



Achievements

- 🏆 ETL time saving of up to 80% via Python and SQLite automation.
- 🌟 Dockerized Python suit for +15M record pipeline on AWS EC2.
- 🌟 Creator of a web scraper that gathered +100k data points monthly.
- 🌟 Doubled annual revenue in new market with arbitrage automation.

Professional Experience

Data Engineer

Jun 2024 – Present

Amazon Logistics, Barcelona

- Last-mile capacity planning for +300 delivery stations across Europe.
- Microservice development for automation and HPC-scalable ETLs

Software Developer

Jan 2024 – Apr 2024

Inèdit, Barcelona

- Consultancy specialized in environmental footprint and life cycle analysis.
- Contract for introducing programming tools into the company's workflow.

Business Data Analyst

Sep 2020 – Aug 2022

Abacus Medicine, Copenhagen

- Pharmaceutical wholesaler with an arbitrage strategy.
- Built pipeline and dashboard to detect price differentials between markets.

Economist

Sep 2018 – Aug 2020

Focus Economics, Barcelona

- Research agency delivering macroeconomic forecasts for +130 countries.
- Led the monthly publication of +10 country and commodities reports.

Education

M.Sc. Environmental Economics

2020–2022

University of Copenhagen

Thesis: R-based climate-financial risk model using GRIB/NetCDF files

B.Sc. Economics, Politics and Philosophy

2014–2018

UPF, UAM, UC3M and UZH

Internships

Research Economist

May 2023 – Oct 2023

CETAQUA, Veolia Group, Barcelona

Research on water footprint, quantitative drought models, and innovative finance in the utilities sector.

Business Developer

Jan 2023 – May 2023

Decision Risk Analytics, Copenhagen

Start-up company commercializing software for corporate risk management using the Monte Carlo simulation method.

Courses

Svelte 5 and SvelteKit: The Complete Guide

2025

Svelte.dev

Comprehensive guide to building web applications using Svelte 5 with runes.

Full Stack Open: Modern Web Development

2024

University of Helsinki

Build and deploy modern applications using React, Prisma and Supabase.

Probability Analysis

2023

MITx

Probabilistic modeling, statistical inference, Bayesian methods for data-driven decision making.

Advanced PowerBI

2019

Focus Economics

Dashboard development and database integration with SQL Server and web APIs.

Volunteering and Performance

Lead Developer

2024 – Present

Estela

Svelte 5 platform for estimating organizational carbon footprints and reduction strategies.

Magician

2018 – Present

Catalan Society of Illusionism, Barcelona

Open performances at events, workshops for children, and charity shows.

Staff Member & Volunteer Magician

2021 – 2023

Mellemfolkligt Samvirke, Copenhagen

Coordination of the NGO-run cafe and cultural events; magic shows, stand-up and concerts.

Personal & Interests

Chilean-Spanish, 30 years old. Avid card magician, member of the Danish and Spanish magic circles; With interests in nature, economics, financial markets and climate action.