



# Nicolas J. Aguilar

## Software Engineer

✉️ [nicolasjordi.aguilar@gmail.com](mailto:nicolasjordi.aguilar@gmail.com) · ☎️ +34 634 089 567

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

## About

Resourceful Software 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.
- Development of BI tools for the frontier markets sales team.

### 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

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## 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

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## 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

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## 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

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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.