

# José Colmenares

Senior Data Engineer

Madrid, Spain

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## EXPERIENCE

### Clarity AI — Senior Data Engineer — APRIL 2024 - PRESENT

Lead Engineer in charge of Igloo, the main data tool at Clarity AI. Started as Senior Engineer and quickly grew to lead major projects and make key technical decisions. I design and run systems that handle over 30 million data entries daily. Key Achievements:

- Built and now run the system that holds 90% of company collected data, making key decisions on how it works and grows
- Picked and set up the tools we use, keeping everything running smoothly as we handle more data
- Guide other engineers on best practices and help them solve hard problems. Also, I interview and help decide which engineers we hire
- Set up checks that cut down data errors by 40%
- Work directly with business teams to understand what they need and build solutions

Tech Stack: AWS EventBridge, SQS, Apache Airflow, PostgreSQL, Liquibase, DBT, Soda.io, Snowflake, Kubernetes, Datadog, GitLab CI/CD.

### Clarity AI — Data Engineer — JULY 2022 - APRIL 2024

Part of the Data Ingestion Team, responsible for more than 100 ETL pipelines for around 300 million of data points, support more than 10k queries/month and make new data releases as a weekly basis. Developed visualization dashboards. Main tools: Apache Airflow, Snowflake, DBT and Soda.IO

### Accenture — Data Engineer — OCTOBER 2021 - MAY 2022

Build big-data pipelines to process 2 million electricity bills a day using PySpark and AWS. Main services: AWS Lambdas, Step Functions, EMR Processes, Athena and DynamoDB

### Ingebau — Python Developer — OCTOBER 2020 - AUGUST 2021

Design and build ETL pipelines to process and send 500 electricity bills a day. Web Scraping with Selenium and SOAP/HTTP APIs. Process XML and Excel files with Python Pandas. AWS EC2 and S3 as main tools.

### Freelance — Data Analyst — JANUARY 2020 - DECEMBER 2020

Build dataviz dashboards using Google Data Studio and PowerBi. Build an IoT Real Time Visualization dashboard with Grafana. Use of ESRI ArcGIS platform.

## EDUCATION

### University of Seville — Master in Smart Energy and Transportation Systems

Smart Power Grid, Mobility, Building Automation, Cloud Computing, Machine Learning and IoT.

## LANGUAGES

SPANISH: Native (C2)

ENGLISH: Advanced (C2)

FRENCH: Intermediate (A2)

GERMAN: Beginner (A1)

## ENGINEERING FUNDAMENTALS

- Git and Github Actions.
- CICD with Gitlab.
- Docker
- Kubernetes
- Unit and Integration Testing
- Big O notation

## SOFT SKILLS

Expert at adapting complex technical concepts to any audience, from executives to engineers

High emotional intelligence, making me effective at understanding and responding to team needs

Natural problem-solver who builds strong relationships across all company levels

Curious and proactive, always eager to learn and help others succeed



/jlrcolmenares

