

Rosalía Contreras Moreira



Experienced **Data Engineer** with 6 years in data solutions, specializing in ETL pipelines, cloud-native architectures, and both relational (10+ years) and non-relational databases (3 years). Skilled in leveraging Google Cloud Platform and Python for scalable data workflows, API development, and integration tasks.

Currently expanding into Microsoft Azure, holding two Azure certifications and actively preparing for two more. Known for delivering actionable insights, collaborating in cross-functional teams, and maintaining a strong focus on reliability and performance.

Fluent in English and experienced in financial markets.

GitHub: <https://github.com/roconmo>

Information

Address	Vicente Blasco Ibáñez, 28050 Madrid
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Nationality	Spanish
Date of birth	31/03/1971
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Work experience

May 2023 – Nov 25

Company: Havas Media

Sector: Strategic consultancy serving clients in the capital markets industry. **Role:** Data Engineer

Specialization in Google Cloud Platform (GCP) for End-to-End Data Pipeline Management

- **BigQuery:** Managed centralized data flows into BigQuery, ensuring data accessibility and reliability for cross-departmental insights.
- **Dataform & Dataproc:** Designed and maintained scalable ETL processes, transforming raw data into actionable insights for improved decision-making.
- Integrated and ingested data from diverse Funnel sources into the GCP ecosystem, streamlining data analysis processes.
- Ensured seamless integration of both structured and unstructured data, enhancing accessibility for analytics teams.
- **Tools and Technologies:** GCP (BigQuery, Dataform, Dataproc), Python, StreamSet, Git, Spark, n8n.

Oct 2022 - May 2023

Company: Excibit

Sector: Strategic consultancy in innovation and services and technology. **Role:** Data Engineer

Enel: Designed and implemented scalable data pipelines for ingesting and processing heterogeneous datasets into a Data Lake/Data Warehouse, supporting both batch and streaming scenarios. Managed large, complex datasets and developed APIs to enhance data accessibility.

AirNostrum: Contributed to a predictive model project by developing data extraction workflows, designing and implementing pipelines for ingesting large datasets, and performing meteorological web scraping to support analysis.

Tools and Technologies: Python (Streamlit, Pandas, Matplotlib, Web Scraping), SQL, MongoDB, APIs, Azure, Git, Airflow.

Feb 2021 - Jul 2022

Company: Barrabes.biz

Sector: Strategic consultancy in innovation and services and technology. **Role:** Data Engineer

Cordis Horizon 2020 framework (<https://cordis.europa.eu/>): Creation of SQL database from to extract, transform and clean data.

Tech articles: Data extraction by scraping and creation of MongoDB database that harvests data to get insights and trends.

EPO, WIPO Crunchbase: Generating and developing scalable data pipelines and built API rest integrations and performed the development of applications.

Coursera and edX: scraping to extract the most valuable and demanding courses to populate a MongoDB database looking for trends.

Tools: Python (streamlit, pandas, scrapping, matplotlib), Selenium, BeautifulSoup, PostgreSQL, MongoDB, APIs, Azure, Git

Jul 2002 - Mar 2019

Company: Expert Timing Systems

Sector: Asset Management Company offers financial advice based on Quantitative investment Methods.

Role: Data Engineer (Jan 2017 - Mar 2019)

Data analysis and research: key features extraction to be reported to data providers on a monthly basis.

Process and incidents resolution: data daily capture in Morningstar and Bloomberg.

Qualitative information management to establish an efficient and useful Database.

Tools: MS SQL Server, VBA, Excel macros, Python, Reuters, Bloomberg.

Role: Data Analyst (Mar 2012 – Jan 2017)

Support and advice Management in the decision-making process regarding the company's investment advisory to clients.

Compilation, review and analysis of technical data to be used in the company's investment advisory strategies.

Support functions for institutional clients, international (Switzerland, Germany and Luxembourg) and Spanish.

Tools: MS SQL Server, VBA, Excel macros, XML, MS SourceSafe

Role: IT Developer (Mar 2002 – Jan 2012)

Development/maintenance of the intranet, web cook4u.es (for professional cooks, no longer exists), web application to read Excel files.

Complex queries in SQL: temporary tables, subqueries, queries pivoting tables. Monitor emerging trends, tools, and methodologies specific to data governance, data quality and data compliance to data management standards and regulatory requirements like Solvency I, II and III.

Tools: HTML, ASP, CSS, JavaScript, JScript, XML, MS SQL Server. Ajax, MS SourceSafe, Git

Platforms: Windows Server 2012, Azure

Jul 1997 - Mar 2001

Company: WestconGroup

Sector: Global Technology distributor.

Role: Purchasing department

Responsible for purchasing and monitoring the entire process: relationship with Checkpoint, TrendMicro, Axis, Stonesoft suppliers.

Education and training

Apr 2019 – Mar 2020: Institution: IE School of Human Sciences and Technology

Degree: Master's in Business Analytics and Big Data

Sept 2001 – Jun 2002: Institution: FYCSA

Degree: Master in Java and XML

Sept 1991 – Jun 1995: Institution: ESEM

Degree: Marketing and Business

Personal skills

<u>Mother tongue</u>	Spanish	
<u>Other languages</u>	English	Portuguese
Read:	High	Bilingual
Written:	High	Bilingual
Spoken:	High	Bilingual

Additional Information

- Certifications: Scrum Foundations (Jan 2020, Madrid), AZ-900 Azure Fundamentals (March 2025), DP-900 Data Fundamentals (April 25)
- Volunteer Work: Active in various NGOs since 1998, including Solidarios para el Desarrollo, Proyecto Hombre, Basida, Azabache, and currently Grandes Amigos.
- International Experience: Lived in Portugal (1971–1990) and Ireland (Sep 1995–Jun 1996).
- Affiliations: Partner of the National Big Data and Analytics Association (ANBAN).
- Hobbies: Enthusiastic cyclist, frequenting the Madrid cycling ring and Valdebebas Park.