Manuel Jiménez

Bloomington, Indiana

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Eligible to work in the U.S. without sponsorship

Summary

Experienced Data Engineer with expertise in designing and managing data pipelines using AWS and open-source technologies. Skilled in working with large datasets from real-time sources such as Kafka, integrating them with relational and non-relational databases. Certified AWS Cloud Practitioner, with strong knowledge of distributed systems, ETL processes, and cloud architecture.

Technical Skills

- **Programming Languages:** Python, SQL, Java, Scala

- **Cloud Technologies:** AWS (EC2, S3, RDS, Lambda, Redshift, Glue, EMR, Athena), Terraform

- **Data Engineering:** Kafka, Airflow, Spark, Docker, Databricks, Snowflake, ETL, Data Modeling

- **Business Intelligence:** Power BI, Qlik, Tableau

- **Big Data Technologies:** Hadoop, Apache Spark, Hive

- **Databases:** MySQL, PostgreSQL, MongoDB, Redshift, DynamoDB

- **Other Tools:** Git, Jenkins, Streamlit

Professional Experience

Data Engineer   *2022 - 2024*
SDG Group - Madrid, Spain

- Developed and maintained a data processing pipeline combining sensor data from Kafka with factory databases for real-time monitoring and analysis.

- Leveraged **AWS services** (S3, Lambda, Glue, Redshift) to build scalable ETL pipelines for large-scale data processing.

- Collaborated with cross-functional teams to design and optimize **data models** and **data lakes** using Snowflake and Databricks.

- Improved data quality and reduced latency in batch processing workflows using **Apache Airflow** for task scheduling and monitoring.

- Implemented **Terraform** for automating infrastructure provisioning on AWS.

- Performed data analysis and visualization using **Power BI, Qlik, and Tableau** to provide insights and support decision-making.

- Technologies used: AWS (Lambda, Glue, S3, Redshift), Apache Kafka, Airflow, Databricks, Snowflake, Terraform.

Railway Signaling Design Intern *2021*
Ardanuy Ingeniería - Barcelona, Spain

- Assisted in the design and installation of railway signaling systems, including the placement of signals and track circuits.

- Contributed to technical documentation for signaling system projects and collaborated with cross-functional teams.

Education

M.Sc. in Cybersecurity and Privacy *2023 - 2025*
Universitat Oberta de Catalunya - Barcelona, Spain
Thesis: Modernizing LDAP Security in Linux Workstations: Integrating with Microservices and Containers

B.Sc. in Telecommunications Engineering *2017 - 2022*
Universitat Politècnica de Catalunya - Barcelona, Spain
Thesis: Modeling and Testing of a Local IoT Environment

Certifications

- AWS Cloud Practitioner, 2024

- Apache Airflow Fundamentals, 2023

- Power BI Data Analyst Associate (PL-300), 2023

Volunteering

Dentistas Sobre Ruedas - Barcelona, Spain *2021*
Led the design and development of data storage solutions for a non-profit dental organization in Senegal.