

Maick Mosquera Ramirez

Multidisciplinary engineer with experience in data solutions. Skilled in Python, Javascript, SQL and process optimization. Capable of building scripts, applications, dashboards, and data pipelines. Data analysis, automation, cloud data tools.

Currently focused on launching my career in tech Barcelona as Data engineer, combining technical knowledge with strong problem-solving.

Visit my website to read more [here!](#)

Skills: Python, SQL, Apache Airflow, AWS S3, Pandas, ETL Pipelines, Git, Power BI, Excel VBA



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PROFESSIONAL EXPERIENCE

Operational Data Analysis Technician

Dillancol S.A. - Colombia

Jan 2024–Jun 2024

- Developed automated data collection and validation processes for fleet management using VBA and standardized Excel logs, reducing manual work by over 50%.
- Improved data accuracy and integration by creating custom tools for operational data analysis.

UTS Tech support

Unisys - Colombia

Mar 2023–Jul 2023

- Provided technical support at a leading financial institution, addressing and resolving hardware, software, network, and business application issues
- Utilized remote monitoring and diagnostic tools to troubleshoot problems, documented and resolved incidents in the ticket management system.

PROJECTS

- **Data Science Applied:** A collection of data science projects including predictive modeling tasks such as future purchase prediction, logistic delays, and Titanic survival analysis.
- **Downloader Videos and Data Analyzer:** Web scraping project using BeautifulSoup and Selenium to extract data from platforms like TikTok. Data is stored in PostgreSQL and analyzed with Pandas.
- **Applications Deep Learning in Robotics:** Thesis project applying deep learning in mechatronics.
- **ETL Data Pipeline:** Built a ETL pipeline using Python and Pandas to extract and transform data from parquet and JSON files, orchestrated with Apache Airflow, and loaded into a PostgreSQL database for analysis.

EDUCATION

Postgrado - Master

Spain, 2024 - Present

Seneca Institute, International Postgraduate Center

Mechatronics Engineer

Equivalence Spain, 2025

Bogotá, 2018 - 2023

- Scholarship: Ser Pilo Paga 4 - Colombia Government
- Knowledge in mechanical, electronic, and computational systems to develop solutions, experience in PLC, and SolidWorks Software.
- Skilled in programming, data analysis and automation technologies.
- Relevant Courses: Probability and Statistics (7.6/10), Elective Business Intelligence with Power BI(8.6/10)

Data Science Applied

Zrive DS - Spain

Jan 2025 - May 2025

- Completed an intensive program on Data Science, designed for high- performing university students to launch careers as Data Scientists.
- Expertise in data analysis, machine learning, use tools like JSON, parquet, Amazon S3 and Apache Airflow.

Data Development and Visualization with Python

CETIC - Vitoria-Gasteiz

Jan 2024 - Feb 2025

- Intensive course on data processing, processes ETL, analysis, and visualization using Python.
- Using formats like JSON and parquet. Covered key libraries such as Pandas, Matplotlib, Seaborn, Keras, TensorFlow.

Courses

- Aspectos técnicos de la nube de AWS - Amazon Web Services (Coursera)
- Introduction to Data Engineering – IBM (Coursera)
- Data Analysis for Process Monitoring – Pontificia Universidad Javeriana
- Business Intelligence with Power BI – Universidad Militar Nueva Granada
- SQLite and Python for AI – Udemy