Marco Ramos

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Profile

I'm resourceful professional with a natural attitude to developing solutions for complex problems trough selection, interpretation and manipulation of the available data bringing high-quality business intelligence solutions to businesses seeking higher efficiency

Experience

Data Scientist / Engineer

July 2020 - present   *Comercial Business Unit @ Galp*

- Data Science: Conducted customer behavior studies to gain insights into retail customers' purchasing patterns. Developed segmentation models to identify optimal next actions. Developed forecast models to predict trends and patterns, ensuring accurate and reliable consumption forecasts. Utilized advanced data mining techniques, such as basket analysis, to understand customer purchasing behavior and enhance the precision of predictive models.

- Data Engineering: Led MLOps development from initial design to successful production deployment, streamlining workflows and improving operational efficiency. Utilized knowledge of database schema to architect efficient and scalable data models, ensuring optimal performance and data integrity. Additionally, built and maintained ETL pipelines, integrating data from various sources and ensuring high data quality through validation and cleansing. Optimized data querying and processing using SQL and Dremio's capabilities, enhancing the overall efficiency of data workflows.

- Data Analysis & Business Intelligence: Utilized BI tools and data analysis to develop, test, and validate hypotheses, providing actionable insights and recommendations for the business. Identify business needs and lead the creation of statistical reports and visualizations in Power BI, establishing data rules and KPIs. Implemented Power Automate to streamline workflows, significantly improving operational efficiency and productivity.

Geoscience Specialist

April 2017 - July 2020   *Upstream Business Unit @ Galp*

- Database Management: Organize and maintain corporate geological and GIS databases, ensuring data integrity and quality.

- Decision Support & Modeling: Develop decision support packages, conduct value of information exercises, and implement optimized modeling, uncertainty, and sensitivity workflows with custom routines.

- Reservoir Studies: Plan and execute comprehensive reservoir studies, incorporating diverse data types, performing seismic interpretation, and constructing complex structural and petrophysical models.

- Project Support: Provide geoscience expertise for the Mozambique Rovuma LNG project and Angola Block 14 development projects, overseeing drilling, completion, and workover operations in infill campaigns.

Education

Data Science Professional Certificate

July 2024   *IBM*

Master of Science - Petroleum Engineering

March 2017   *Heriot-Watt University*

Master of Science - Geoscience

June 2015   *University of Coimbra*

Bachelor of Science - Geology

June 2013   *University of Coimbra*

Skills

ArcGIS, bash / shell, business intelligence, data science, data engineering, Dax, docker, gis, git, gitlab / github, html / css, javascript, machine learning, pandas, powershell, Power BI, Power Query, Python, R, Scikit-Learn, spark, SQL