Helio Ribeiro – Data Engineer

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DATA ENGINEERING SUMMARY

- Insight focused data engineer with 3+ years of experience in designing and implementing robust data pipelines, managing large-scale databases, and optimizing data infrastructure for efficient and scalable operations.
- Proficient in utilizing advanced technologies and frameworks such as Python, SQL, AWS, Spark and ETL process with vast amounts of data, enabling organizations to make data-informed decisions.
- Demonstrated ability to work cross-functionally with stakeholders, including data scientists, analysts, and product managers, to understand requirements and deliver high-quality data solutions.
- Excellent communicator fluent in English (C2), Portuguese (Native) and Spanish (C2). Currently studying Dutch (A2).

TECHNOLOGIES AND LANGUAGES

Languages: Python, SQL, R and C++.

Technologies: Apache Spark (NLP, ML, SQL and Streaming), AWS (RedShift, S3, Athena, EC2, EMR, Glue), Apache Kafka, Data Libs (Pandas, NumPy, Scikit, NLTK, CoreNLP, spaCy, PyTorch,TextBlob) Airflow, dbt, Snowflake, Elasticsearch, PowerBI, ETL, MySQL, PostgreSQL, MongoDB, Docker, GCP (BigQuery), REST API.

EMPLOYMENT & EXPERIENCE

Data Engineering Consultant   Remote
Self-Employed   *Jun 2020 – Present*
- Developed for more than **800 hours** with tools like Python, SQL, Spark, AWS and GCP, ensuring data accuracy, integrity, and quality.
- **Developed more than 20 Data projects** and with ML for Finance, NLP, HR and other departments.
- **Built online portfolio with projects** showcasing skills on broadly used technology for data, such as Spark and BigQuery.

International Account Manager   Valencia, Spain
EDICOM   *Jan 2021 – Jan 2022*
- Designed and published **Power BI** dashboard, **saving the Country Manager 6 hours per week** and **improving reports presentation time by over 500%,** along with better visuals and data insights.
- Published dashboard and **saved roughly 2k USD per week** on time, plus allowed better decision-making.

Engineering Intern   Mogi das Cruzes, Sao Paulo
AGCO Corp.   *Jan 2018 – Jan 2020*
- Developed mathematical modeling for project design and eliminated electrical testing on machines due to the accuracy, **saving 2-3 weeks and over 30k USD per project**.

EDUCATION

UMC – Universidade de Mogi das Cruzes   Mogi das Cruzes, Sao Paulo - Brazil
B. Sc. Electrical Engineering   *Feb 2014 - Jun 2021*
- Learned **C++** and **Python** for signal processing and mathematics tools such as statistics, Fourier, and Laplace.
- Single-handedly developed final **IOT project on Arduino** for automatic light dimming based on current environment brightness.

ESPM – Escola Superior de Propaganda e Marketing   Remote
MBA - Marketing   *Mar 2022 - Dec 2023*
- Learned professional management of people and business with a **data-driven approach** backed up by cases and articles.
- Special emphasis on customer behavior and experience within a company's services and products.