

Helio Ribeiro – Data Engineer

helioribeiropro@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#) | +55 11 93932-8049 |

SUMMARY

- Data engineer with 4+ years of experience in designing and implementing data pipelines, utilizing technologies and frameworks such as GCP, AWS, Python, SQL, Kafka, Spark, and Airflow to extract, transform, and load vast amounts of data, enabling organizations to make data-informed decisions, including NLP / RAG / LLM fine-tuning knowledge.
- Lived in Europe for 1 year, working on multicultural environments and speaking multiple languages regularly.
- Demonstrated ability to work cross-functionally with stakeholders, including data scientists, analysts, salespeople, 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, R, SQL.

Technologies: Google Cloud Platform (Cloud Storage, Cloud Functions, BigQuery, Cloud SQL, Spanner, AlloyDB, Bigtable, Pub/Sub, Dataflow, Dataproc, Datafusion, Vertex, Dialogflow, Looker), AWS (S3, Lambda, Glue, RDS, Redshift, Athena, EC2, EMR, Sagemaker, Kinesis), Apache Spark (NLP, ML, SQL and Streaming), Apache Kafka, Data Libraries, LLMs (Gemini, Mixtral, Zephyr, OpenAI), RAGs (HuggingFace, LangChain, Vertex), Airflow, Snowflake, dbt, Git, PowerBI, Tableau, ETL / ELT, MySQL, PostgreSQL, MongoDB, Docker, Excel / Google Sheets (Including macros and VBA), CI/CD, REST API, Agile.

EMPLOYMENT & EXPERIENCE

Data Engineer uCloud	Sao Paulo, Brazil Nov 2023 – Present
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- Developed and maintained robust data pipelines on Google's Dataflow and Datafusion.
- **Built multiple POCs** within timely manner to drive sales showcasing Generative AI, Pipelines, Warehousing and BI.

Data Engineer Self-Employed	Remote Jun 2020 – Present
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- **Developed more than 20 Data projects** for HR, Finance, Health, Logistics, and other departments.

International Account Manager EDICOM	Valencia, Spain Jan 2021 – Jan 2022
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- 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 allowing for better decision-making.

Engineering Intern AGCO Corp.	Mogi das Cruzes, Brazil Jan 2018 – Jan 2020
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- 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 B. Sc. Electrical Engineering	Mogi das Cruzes, Sao Paulo - Brazil Feb 2014 - Jun 2021
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- Learned **C++** and **Python** for signal processing and mathematics tools such as statistics, Fourier, and Laplace.
- Single-handedly developed final **IOT project** for automatic light dimming based on current environment brightness.

ESPM – Escola Superior de Propaganda e Marketing MBA - Marketing	Remote Mar 2022 - Present
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- Learned professional management of people and business with a **data-driven approach** backed up by cases and articles.