Helio Ribeiro – Data Engineer

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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   Sao Paulo, Brazil
uCloud   *Nov 2023 – Present*
- 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.
- Integrated and deployed LLMs and ML Models, including Multimodal Gemini, PaLM and clustering algorithms.
- **Developed AI powered chats**, including Gemini, providing custom interactions with clients on the cloud.

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

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 allowing for better decision-making.

Engineering Intern   Mogi das Cruzes, Brazil
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.

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