

Helio Ribeiro – Data Engineer

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SUMMARY

- [Google Cloud Professional Data Engineer](#) with 5+ years of experience in designing and implementing data pipelines.
- Skilled with Machine Learning algorithms and Generative AI / NLP for text and code-based solutions.
- Demonstrated ability to work cross-functionally with stakeholders to 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, Cloud Run, BigQuery, Cloud SQL, Pub/Sub, Dataflow, Dataproc, Data Fusion, Vertex AI, Dialogflow, Looker, Dataplex), Azure (Blob, ADLS, Azure Data Factory, Azure Data Studio, Event Hub, Functions, Fabric), AWS (S3, Athena, Redshift, EMR, Glue, RDS, Managed Airflow, Lambda, Step Functions), Apache Spark (NLP, ML, SQL and Streaming), Apache Kafka, LLMs (Gemini, OpenAI), RAGs, Airflow, Snowflake, Databricks, dbt, Jenkins, Terraform, Git, Power BI, Tableau, ETL / ELT, MySQL, PostgreSQL, Docker, Excel / Google Sheets, CI/CD, REST API, Agile.

EMPLOYMENT & EXPERIENCE

Senior Data Engineer

Sao Paulo, Brazil

Minsait

Jun 2024 – Present

- Supervised a team of four Data Engineers.
- **Migrated terabytes** of legacy on-prem data to AWS and Snowflake (Kimball Architecture) with PySpark.
- **Achieved cost reduction** of LLM-based chatbots by **132.9x per message** and a **6.8x reduction in time-to-market**.
- Deployed an **AI chatbot handling 120k monthly messages**, with an integrated data pipeline on **Microsoft Fabric**.
- **Advised management on cloud demands** and participated in **two internal AI committees**.

Data Engineer

Sao Paulo, Brazil

uCloud, the Global Google Partner

Nov 2023 – Jun 2024

- **Deployed AI Agents using Dialogflow CX** including voice features, **averaging 15k monthly messages**.
- **Reduced NLP workflows' time-to-market by more than 1,000x** using BigQuery and Gemini integrations.

Data Engineer

Remote

Self-Employed

Jun 2020 – Present

- Deployed **Customized text-to-SQL solutions** on Google Cloud Run, served via FastAPI.
- Analyzed multiple datasets and built Machine Learning models for Financial and HR Analysis.

Engineering Intern

Mogi das Cruzes, Brazil

AGCO Corp.

Jan 2018 – Jan 2020

- Developed mathematical modeling for project design, **saving 2-3 weeks and over US\$ 30k per project**.

EDUCATION

UMC – Universidade de Mogi das Cruzes

Mogi das Cruzes, Sao Paulo - Brazil

M. Sc. Biomedical Engineering

Aug 2024 - Present

ESPM – Escola Superior de Propaganda e Marketing

Remote

MBA - Marketing

Mar 2022 - Present

UMC – Universidade de Mogi das Cruzes

Mogi das Cruzes, Sao Paulo - Brazil

B. Sc. Electrical Engineering

Feb 2014 - Jun 2021