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 (B1).

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, ECR, Managed Airflow, Lambda, Step Functions), LangSmith (LangChain, Evals), Apache Spark (NLP, ML, SQL and Streaming), Apache Kafka, LLMs (Gemini, OpenAI), RAGs, ChromaDB, Pinecone, Airflow, Snowflake, Databricks, dbt, Jenkins, Terraform, Git, Power BI, Tableau, ETL / ELT, MySQL, PostgreSQL, Docker, Excel / Google Sheets, CI/CD, REST API, FastAPI, Flask, n8n, Agile.

EMPLOYMENT & EXPERIENCE

Senior Data Engineer   Eindhoven, The Netherlands
Tech Seals   *May 2025 – Present*

Senior Data & AI Engineer   Sao Paulo, Brazil
Minsait   *Jun 2024 – May 2025*
- 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**.

Data & AI 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 & AI Engineer   Remote
Genova   *Jun 2020 – Nov 2023*
- Deployed **APIs, Text 2 SQL solutions**, Python functions on AWS Lambda and GCP Cloud Functions for data tasks.

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 (Remote since May 2025)*

ESPM – Escola Superior de Propaganda e Marketing   Sao Paulo, Sao Paulo - Brazil
MBA - Marketing   *Mar 2022 – May 2025*

UMC – Universidade de Mogi das Cruzes   Mogi das Cruzes, Sao Paulo - Brazil
B. Sc. Electrical Engineering   *Feb 2014 - Jun 2021*