

Helio Ribeiro – Senior 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 Data Migration and Governance to ensure data quality across the board, with the 3 major clouds.
- Experienced in deploying scalable data infrastructure using Terraform and setting CI/CD workflows.
- 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, Scala, R, SQL.

Technologies: Google Cloud Platform (Cloud Storage, Cloud Functions, Cloud Run, BigQuery, Analytics Hub, Dataplex, Cloud SQL, Pub/Sub, Dataflow, Dataproc, Data Fusion, Vertex AI, Dialogflow, Looker), Azure (Azure DevOps, Blob, ADLS Gen2, Azure Data Factory, Azure Data Studio, Event Hub, Functions, Fabric, Synapse, Azure Databricks, Databricks Asset Bundles, Cosmos DB, Purview, Power Platform), AWS (S3, Athena, Redshift, EMR, Glue, RDS, ECR, Managed Airflow, Lambda, Step Functions), DevOps, MLOps, LangSmith (LangChain, Evals), Apache Spark / PySpark (NLP, ML, SQL and Streaming), Apache Kafka, LLMs (Gemini, OpenAI), RAGs, ChromaDB, Pinecone, Airflow, Snowflake, dbt, Jenkins, Terraform, Git, Github Actions, Power BI, Tableau, ETL / ELT, MySQL, PostgreSQL, Docker, Excel / Google Sheets, CI/CD, REST API, FastAPI, Flask, n8n, Agile.

EMPLOYMENT & EXPERIENCE

Senior Data Engineer

Tech Seals

Eindhoven, The Netherlands

May 2025 – Present

Senior Data Engineer

Minsait

Sao Paulo, Brazil

Jun 2024 – May 2025

- Supervised a team of four Data Engineers.
- **Migrated terabytes** to AWS + Snowflake with Spark and SQL, **saving up to 1.5MM USD / year** on data processing.
- Managed pipelines together with DevOps team, guaranteeing replicability, monitoring and proper tests / unit test.
- **Achieved cost reduction** of LLM-based chatbots by **132.9x per message** and a **6.8x reduction in time-to-market**.
- Deployed **AI chatbot handling 120k monthly messages**, with an integrated data pipeline on **Microsoft Fabric**.

Data Engineer

uCloud, the Global Google Partner

Sao Paulo, Brazil

Nov 2023 – Jun 2024

- Deployed **AI Agents handling ~15k messages/month**, including voice capabilities, reducing call center workload.
- **Built and managed multiple POCs for customer demos** on Google Cloud, including recently released Gemini demos.
- Built scalable **Apache Beam pipelines on GCP Dataflow**, efficiently handling multiple workloads.
- **Managed Dataplex assets** for data discovery and governance. Crucial for Data Mesh.
- Built **10+ Looker reports for financial and CRM analytics**, **saving ~12 management hours/week** and accelerating decision-making.
- **Accelerated NLP workflow by over 1000x by integrating Gemini**, transforming tasks from days into minutes.

Data Engineer

Genova

Remote

Jun 2020 – Nov 2023

- Deployed **APIs, Text 2 SQL solutions**, Python functions on AWS Lambda and GCP Cloud Functions for data tasks.
- **Built 15+ dashboards on PowerBI** and PowerQuery, mostly saving uncountable management hours on reports.

Engineering Intern

AGCO Corp.

Mogi das Cruzes, Brazil

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)

- **RESEARCH:** Coronary Artery Disease (CAD) prediction and prevention by use of **Machine Learning**.
- Applied Python, Data Wrangling and Data Prep techniques for Machine Learning.

ESPM – Escola Superior de Propaganda e Marketing

Sao Paulo, Sao Paulo - Brazil

MBA - Marketing

Mar 2022 – May 2025

- Financial acumen to interpret financial statements (P&L) and evaluate marketing investments using metrics like Internal Rate of Return (IRR), ensuring strategies are grounded in profitability and ROI-focused decision-making.
- Cultivated strong leadership skills to manage cross-functional teams and drive innovative marketing initiatives.

UMC – Universidade de Mogi das Cruzes

Mogi das Cruzes, Sao Paulo - Brazil

B. Sc. Electrical Engineering

Feb 2014 - Jun 2021

- **C++** and **Python** for signal processing and statistics, calculus, Fourier Series and Laplace.
- Developed final **IOT project on Arduino** for automatic light dimming on public lighting.