

# Helio Ribeiro – Data Engineer

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## DATA ENGINEERING SUMMARY

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- Insight focused data engineer with 3+ years of experience in designing and implementing data pipelines, managing large-scale databases, and optimizing data infrastructure for efficient and scalable operations.
- Proficient in utilizing technologies and frameworks such as, Spark, Python, SQL, AWS, and Kafka to extract, transform, and load vast amounts of data, enabling organizations to make data-informed decisions.
- Demonstrated ability to work cross-functionally with stakeholders, including data scientists, analysts, 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

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**Languages:** Python, R and SQL.

**Technologies:** Apache Spark (NLP, ML, SQL and Streaming), Apache Kafka, Data Libs (Pandas, NumPy, Scikit, Plotly Dash, Bokeh, Seaborn, PyTorch), Airflow, Elasticsearch, PowerBI, Tableau, ETL, MySQL, PostgreSQL, MongoDB, Docker, Google Cloud Platform (BigQuery, Cloud Storage, Colab), AWS (RedShift, Athena, S3, EC2, EMR, RDS, Glue, CloudWatch, SageMaker, Kinesis), Excel (Including macros and VBA), API REST.

## EMPLOYMENT & EXPERIENCE

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### Data Engineering Consultant

Remote

Self-Employed

*Jun 2020 – Present*

- Developed for more than **800 hours** with tools like Python, Power BI, Spark, Azure and GCP.
- **Developed more than 20 Data projects** and with ML for HR, Finance, Health, Logistics, and other departments.
- [Built online portfolio with projects](#) showcasing skills on broadly used technology for data, like Spark and BigQuery.

### 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 allowed better decision-making.

### Engineering Intern

Mogi das Cruzes, Sao Paulo

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

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### 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.
- Single-handedly developed final **IOT project on Arduino** for automatic light dimming based on current environment brightness.

### ESPM – Escola Superior de Propaganda e Marketing

Remote

*MBA - Marketing*

*Mar 2022 - Dec 2023*

- Learned professional management of people and business with a **data-driven approach** backed up by cases and articles.
- Special emphasis on customer behavior and experience within a company's services and products.