

# OTÁVIO RIBEIRO

DATA ENGINEERING MANAGER



## CONTACTS

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## ABOUT ME

With a trajectory of more than 10 years in Data Engineering, I stand out in designing scalable architectures, Data Warehouses, and Data Lakes, always focusing on data governance, quality, and automation. My ability to lead multidisciplinary teams is complemented by the implementation of data-driven strategies, essential for enhancing organizational decision-making. My expertise covers Data Warehouse modeling, adopting Kimball methodologies and Star Schema to ensure efficiency in data organization. I am well-versed in optimizing and automating data pipelines using tools such as Airflow, Apache Spark, and Databricks, which allows me to guarantee scalability and high performance. Data quality and governance are ensured through automated validations and strict adherence to integrity standards. In cloud computing, I have expertise in platforms such as Google Cloud Platform (GCP) and Azure, employing services like Data Proc, Cloud Functions, BigQuery, and Databricks. As a technical leader, I foster a data-driven and DevOps culture while investing in team training in advanced SQL and best practices in data engineering. I seek challenging opportunities to apply my extensive knowledge in Big Data, Data Governance, and Data Quality, developing solutions that are both scalable and results-oriented. If you are interested in discussing innovations and trends in data engineering, I am open to enriching conversations.

## SKILLS

Data Team Leadership	██████████░░░░░░
Data-driven decision making	██████████░░░░░░
Data Statregy	██████████░░░░░░
Data Modeling	██████████░░░░░░
Data Pipeline Automation	██████████░░░░░░
Data Governance	██████████░░░░░░
Advanced SQL	██████████░░░░░░
Big Data	██████████░░░░░░
Cloud Computing (GCP, Azure)	██████████░░░░░░
Machine Learning	██████████░░░░░░

## LINKS

LinkedIn:  
[www.linkedin.com/in/donotavio](https://www.linkedin.com/in/donotavio)

GitHub Portfolio:  
[github.com/Donotavio](https://github.com/Donotavio)

## LANGUAGES

Português	██████████░░░░░░
Espanhol	██████████░░░░░░
Inglês	██████████░░░░░░

## COURSES

Phyton Faixa Preta
Como Falar em Público
Fundamentos de Análise de Dados
Fundamentos de Estatística: Parte 1
SQL: Seleção Múltiplas tabelas

## PERSONAL DETAILS

Date of birth	07 May 1991
Nationality	Brazilian
Marital status	Married

## WORK EXPERIENCE

### Data Engineering Manager, Educbank, São Paulo

Jan 2025 - Present

- Leadership of a data engineering team at Educbank, focused on orchestration and execution of data transformations to foster a data-driven culture.
- Responsible for the architectural transition from a Data Warehouse to a Databricks-based solution, enhancing data governance, performance, and collaboration.
- Direction of initiatives with Unity Catalog, Delta Live Tables, and Spark Structured Streaming, aiming at declarative pipelines and real-time data flows.
- Implementation of data infrastructure with an emphasis on scalability, efficient maintenance, and governance, aligned with LGPD and cloud architecture best practices.
- Management of Machine Learning engineering in partnership with the data science team, ensuring the integration and value generation of ML models in production environments.
- Commitment to the technical and professional development of the team, promoting a collaborative, innovative, and results-oriented work environment.

### Data Specialist, OtoCRM, Porto Alegre

Jan 2024 - Jan 2025

- Data Specialist and Technical Lead at OtoCRM, focused on optimizing database performance and availability.
- Responsible for reducing interruptions, collaborating with the backend team to improve system stability.
- Implementation of significant improvements in Clickhouse, MySQL, and PostgreSQL queries, increasing system efficiency and reliability.
- Leadership of a team dedicated to data integration, developing robust Python engines for ingestion into Data Lakes.
- Management of dynamic data collections from multiple sources, including databases, APIs, and client platforms, ensuring a consistent and reliable data flow.
- Key contribution to meeting the company's and clients' analytical and operational demands through efficient data processes.

### Technical leader, DEEP ESG, São José dos Campos

Aug 2023 - Oct 2024

- Technical leadership of a multidisciplinary team in the development of a robust and scalable data architecture.
- Supervision of the data integration process through API delivery, ensuring efficiency and quality.
- Enhancements in the management and usage of PostgreSQL and BigQuery databases, strengthening collaboration with the DBA team.
- Data Warehouse modeling following the Star Schema and Kimball practices, optimizing information flow and data analysis.
- Design of the architecture for CO<sub>2</sub> emission calculators and ESG KPIs using Airflow, DataProc, and Cloud Functions on GCP.
- Significant contribution to the data infrastructure, supporting strategic decision-making and corporate sustainability goals.

### Technical leader, HeroSpark, Curitiba

Mar 2021 - Jul 2023

- Effective leadership in building a data team oriented toward a data-driven culture.
- Successful implementation of a Data Lake and Data Warehouse, optimizing data storage and organization.
- Centralization of data sources through the Data Lake, improving information access and analysis.
- Driving strategic decision-making with integrated and up-to-date data.
- Development of a data flow with a validation pipeline, ensuring data integrity and quality.
- Implementation of checks to eliminate inconsistencies and duplicates, guaranteeing reliable data in the Data Warehouse.
- Promotion of SQL and data analysis knowledge among junior analysts through training sessions and workshops.
- Strengthening of the data-driven culture, encouraging the use of data for strategic decisions and business growth.
- Contribution to a clear vision of the company's challenges and opportunities, enabling strategic and assertive actions.

### Data Engineer, Grupo Voalle, Santa Maria e Região

Jan 2020 - Oct 2020

- Experience as a Development Analyst, specializing in bulk data maintenance, migration projects, and process automation.
- Expertise in analyzing and developing solutions, mapping legacy systems, and strategic planning for data migration.
- Development of routines and triggers for automation in Database Management Systems (DBMS).
- Leadership of the migration project from MariaDB to PostgreSQL, ensuring data integrity and efficiency.
- Creation of Shell Script and Python scripts to automate data processing in migration workflows.
- Responsible for data maintenance, business process analysis for ERP data integration, and data analysis in RADIUS databases.
- Technical support to customer service analysts, ensuring the resolution of data-related issues.
- Version management and source code control using GitLab.

### Founder, AdvanceWEB

Jun 2016 - Jan 2020

- Responsible for the analysis and development of projects from conception to practical execution.
- Administrative management, strategic planning, and commercialization of Pocket's products for startups.
- Leadership in the development of *ImovPedidos*, a CRM for order control and customer management, with proven commercial success.
- Participation in the development of *QTMov - Events*, an application for event management with scheduling and transportation control features.
- Continuous improvement of technical and analytical skills, resulting in efficient solutions for project demands.
- Comprehensive vision acquired across all stages of software development, from idea to implementation.
- Significant contribution to business success, demonstrating versatility in administration, strategy, commercialization, and software development.
- Highlighted skills in data governance, business analysis, ERP, team leadership, data migration and analysis, productivity improvement, cloud computing, performance management, big data, Python, business strategy, and data modeling.
- Development and implementation of business strategies and operational plans.
- Building and managing a high-performance team.
- Defining clear goals and monitoring company progress.
- Market analysis and adjustment of the business model as needed.
- Innovation and development of new products or services.

## EDUCATION

### Higher National Diploma, Estácio, Curitiba

2026

- Education in IT Project Management with a focus on efficiency and the application of established methodologies.
- Development of skills in scope, schedule, and cost management, quality control, and risk analysis.
- Specialization in agile methodologies such as Scrum and Kanban.
- Proficiency in project management tools, including MS Project and Jira.
- Strong abilities in team leadership, effective communication, and strategic negotiation.
- Preparation to lead complex IT projects, aligning technological solutions with business objectives.