

# LEONARDO MORAES

## Data Engineer

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## SUMMARY

I am a Data Engineer experienced in building and managing Data Lake infrastructures, using cutting-edge tools. Developed robust ETL data pipelines and implemented CI/CD, optimizing processes and ensuring high data availability. I have proven success in cloud migration projects, developing robust data pipelines, and collaborating effectively across global teams. The successful projects and experiences would not be possible without my solid foundations on computer science, coming from my BSc, MSc and PhD studies and research, besides previous teaching experiences.

## WORK EXPERIENCE

**Data Engineer — John Deere**, Indaiatuba - São Paulo, Brazil (remote)

SINCE MAY/2022

- I built the **Data Lake** infrastructure in Brazil from the beginning. Researched and configured the **AWS** infrastructure and local database, **minimizing the impact** of migration to systems and analysts that depend on the database.
- I worked **alongside business teams** to build a recovery **data product**. The product solved a problem faced by business teams for **many years**, helped the company adapt to legal regulations and **enabled** the work of **data scientists**.
- Adapted and migrated on-premise **ETL** workflows to **run in the cloud** in Data Lake. I guaranteed **data availability** and **enabled the work of analysts** around the globe.
- I build, monitor and maintain **ETL data pipelines** with **PySpark** and **Databricks** to ensure availability and quality of **data products** in the Data Lake.
- I build and maintain **continuous integration and delivery (CI/CD)** workflows, using **Jenkins** and **Terraform** for infrastructure, **maintaining control and accelerating** the creation of new data pipelines.
- I **collaborate effectively with global teams** from countries in North America, Asia, Europe and South America to **solve problems** and **deliver data products** and solutions.
- I assist in **developing skills** in other team members.

**Data Engineer — F1RST - Santander Technology**, São Carlos - São Paulo, Brazil (hybrid)

AUGUST/2021 - MAY/2022

- Developed the **architecture** and pipeline to **create a customer data product** with score calculations for an external bureau. With the standards defined, I **accelerated delivery** by a few sprints.
- **Migrated ETL workflows** for creating risk tables in **PySpark**, and **fixed incidents** on internal servers. This **sped up** the execution of data flows and **saved resources** on execution and storage.

**Data analyst and developer — Turim, Santo André - São Paulo, Brazil (remote)**

JANUARY/2021 - AUGUST/2021

- I **developed automations** for generating tax documents for client companies, so that tax processes that **lasted an entire week** could be completed in a **few minutes**.
- I coded the processing and analyzed **large volumes of data**, delivering **strategic information** to clients.

**Information Technology Intern — MSGÁS, Três Lagoas - Mato Grosso do Sul, Brazil (in-office)**

JANUARY/2019 - DECEMBER/2020

- I **developed** a native **Android app** in Java for use in the field by operation technicians, **accelerating** the generation of route **reports** and **facilitating** the **recording of nonconformities** in natural gas pipes.
- Provided **support** to users on hardware and software issues.

## EDUCATION

**University of de São Paulo (USP), São Carlos, SP — Ph.D in Computer Science**

SINCE DECEMBER/2023

**Universidade de São Paulo (USP), São Carlos, SP — M.Sc in Computer Science**

APRIL/2021 - DECEMBER/2023

**Universidade Federal de Mato Grosso do Sul (UFMS), Três Lagoas, MS — B.Sc in Information Systems**

APRIL/2017 - APRIL/2021

## LANGUAGES

**Portuguese — Native**

**English — Fluent**

**Spanish — Basic**