

Odelmo Junior

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I am passionate about utilizing machine learning and data analysis techniques to solve significant problems. My background in industrial automation engineering enhances my understanding of the supply world, its business challenges, and scalable solutions. I have been involved in the end-to-end development of projects applied across over fifty breweries in Latin America, achieving an estimated monthly ROI of U\$2.5M.

Experience

Senior AI and Data Solutions Engineer

- *Databricks* Nov/2023 – Current
 - Responsible for assisting customers in enhancing code performance using Spark for large-scale data pipelines.
 - Aid clients in improving machine learning models and comprehending their impact on business.
 - Provide architectural solutions for optimal client outcomes.
 - Manage models and experiments using MLflow, contributing to the Databricks community and enhancing Spark code libraries.

Data Science Tech Lead

São Paulo (Remote), Brazil

- *AmbevTech* Jul/2021 – Nov/2023
 - Led projects from inception to completion, such as telemetry and predictive analytics for industrial valve failures, resulting in an ROI of U\$1.6M/year, and process optimization, reducing problem-solving time with an ROI of U\$4.6M/year.
 - Developed methods and data products utilizing ML, data analysis, and AI on a large scale.
 - Managed supply teams comprising over 10 data engineers and scientists, overseeing the metrics of developed models and pipelines.
 - Established a data science training program for all South American plants.

Data Scientist (Supply)

Uberlândia, Brazil

- *Ambev Brewery* Jan/2020 – Jul/2021
 - Initiated and led the brewery's innovation and data lab, becoming a benchmark for the entire SAZ.
 - Coordinated a 15-person team, recognized for the most innovative products with significant impact in the region.
 - Applied machine learning models and AI to address challenges in over 50 breweries.

Automation Engineer

Uberlândia, Brazil

- *Ambev Brewery* Jul/2019 - Jan/2020
 - Implemented the company's inaugural industrial network data collection architecture.
 - Undertook updates and corrections in industrial equipment logics.

Education

Master's Degree - Artificial Intelligence

Federal University of Uberlândia (UFU)

- *Uberlândia, Brazil* 2021 – Current

Graph neural networks in the analysis of EEG exams for the prognosis of comatose patients

Lato Sensu Specialization - Artificial Intelligence

PUC University

- *Belo Horizonte, Brazil* 2020 – 2021

Bachelor in Control and Automation Engineering

Federal University of Uberlândia (UFU)

- *Uberlândia, Brazil* 2014 – 2019

Languages

- **English:** Fluent
- **Portuguese:** Native

- **Spanish:** Basic

Skills and Qualifications

- Solid knowledge in creating scalable ML model solutions to solve industrial problems.
- Model Lifecycle management and versioning using Azure architecture and Databricks.
- Solid Knowledge in Apache Spark framework.
- Intermediate knowledge in Power BI.
- Solid knowledge of Python, R and SQL query language.
- Intermediate knowledge of Java and C# languages.