

Rômulo Pagnozzi

Linkedin: [linkedin.com/in/romulopagnozzi/](https://www.linkedin.com/in/romulopagnozzi/)

Github: github.com/RomuloPagnozzi

Email: romulo.pagnozzi@gmail.com

Mobile: +55-41-98423-2842

TECHNOLOGIES

- **Languages:** Python, SQL, Java
- **ML:** Pandas, NumPy, Scikit-Learn, Keras(TensorFlow), PySpark, H2O, LangChain, MLFlow
- **Web:** Flask, FastAPI, SpringBoot
- **AWS:** Redshift, S3, Glue, Lambda, ECR, CloudFormation
- **Tools:** Databricks, Docker, Terraform, Git

EXPERIENCE

- **Hotmart** Remote - Belo Horizonte, Brazil
Machine Learning Engineer Dec 2023 - Present
- **Erathos** Curitiba, Brazil
Data Scientist - Consultant Jan 2023 - Dec 2023
 - **Enhanced churn prediction accuracy by 300%, resulting in a 15% reduction in churn during backtesting:** by reinterpreting the business problem and feature engineering a proxy for the original target variable.
 - **Optimized Machine Learning Architecture, leading to an annual cost reduction of US\$ 13,000 in AWS expenses:** by proposing a new Architecture that simultaneously improved performance, scalability, and reliability.
 - **Decreased by 45x the size of a 13 TB dataset to 287 GB:** by using PySpark and AWS Glue to convert it from JSON to properly formatted Parquet files, increasing efficiency in model training and performance analysis.
 - **Context:** Data Scientist responsible for the Machine Learning needs of Erathos' consulting clients in the US and Brazil. Responsibilities include researching, designing, building, and improving Machine Learning solutions, encompassing models, data pipelines, and overall ML architecture. Conducted various ad-hoc analyses, generating valuable business insights through statistical and data analysis techniques, and applied the medallion architecture for data modeling.
- **Highdata** Remote - Curitiba, Brazil
Data Scientist - Consultant Dec 2021 - Jan 2023
 - **Increased by 100% the identification of suspicious activity in iFood (largest food delivery app in LATAM):** by delivering a machine-learning outlier detection solution combining neural networks, clustering algorithms, supervised learning pipelines, and distance metrics.
 - **Helped to foster financially substantial fraud prevention initiatives:** by detecting previously unidentified fraud behavior as an unforeseen result of the development of our custom anti-money laundering solution.
 - **Context:** iFood is the largest food delivery app in LATAM with over 60 million deliveries a month. As a Data Consultant, I led and worked on successfully developing and implementing a custom anti-money laundering solution for iFood. Leveraging a diverse range of machine learning techniques our team delivered cutting-edge solutions to address complex challenges.
- **EBANX** Curitiba, Brazil
Data Analyst Oct 2019 - Sep 2020
 - **Helped to secure a multi-million dollar incentive from a leading payment processing network through financial modeling:** by crafting and presenting detailed financial reports, including product economics and forecasts, to high-level banking industry professionals.
 - **Enabled D and C-level executives to make informed decisions:** by leveraging data analysis and regression techniques to create financial models, revenue forecasts, product economics, and P&L analysis.
- **Trackmob** Curitiba, Brazil
Business Analyst Oct 2017 - Sep 2018
 - **Discovered and reclaimed over R\$15K from customers who were not charged due to errors in the financial collection process:** by analyzing and cross-checking years of historical financial data.
 - **Reduced 5x the time for the financial collection process:** by diagnosing, ideating, and collaborating on the development of an internal billing automation project.

EDUCATION

- **FAC Centro Universitário** Curitiba, Brazil
Professor of Asset Management Jan 2022 - Dec 2022
 - **Context:** I was honored with an invitation from FAC to teach Asset Management for the Management Experience Program during 2022.
 - Led a year-long stock investment practice, where students successfully applied valuation techniques to select and manage a real-money stock portfolio.
 - Mentored and guided students in practical exercises, providing hands-on experience in stock investment and portfolio management.
- **EU Business School** Barcelona, Spain
Bachelor of Business Administration Oct 2018 - Sep 2019
- **FAC Centro Universitário** Curitiba, Brazil
Bachelor of Business Administration Feb 2015 - Nov 2018