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<https://github.com/Haroldov>

Summary

Data Engineer with 3 years of experience building maintainable, scalable and resilient data pipelines either in real-time and offline. Strong track record of accurately conducting system improvement and enhancement of business metrics through data.

Skilled engineer in Python, Go, Git, NumPy, Scikit-Learn, Docker, Apache Airflow, Apache Kafka, Redis, SQL, MySQL, PostgreSQL, Snowflake, BigQuery, Software Development, Data Analysis, Big Data, Linux.

Experience



Machine Learning Engineer

Bearing

Aug 2022 - Present (6 months)

- In charge of building the data pipeline for computing statistics of the global fleet (around 15,000 vessels).
- In charge of building and scaling data pipeline for ingesting data into a Relational Database.
- Skills: Extract, Transform, Load (ETL), Data Warehousing.



Sr Machine Learning Engineer

Mercado Libre

Mar 2021 - Aug 2022 (1 year 6 months)

- In charge of maintaining and scaling the capability of A/B testing for the insurance products pricing. This involves the development of an online service for experimentation and the development of a statistical approach called sequential A/B testing.
- In charge of developing and maintaining a Machine Learning pipeline for recommending insurance products. Developed a Gradient Boosting Machine (GBM) model using XGBoost to build a recommender engine. Model taken to production in a way of batch predictions on a monthly basis.
- Improvement of 9.5% of the revenue and 6.8% of sales of an insurance product by developing a pricing data-driven A/B testing strategy.
- Increased 8x the open rate business metric for the marketing team by recommending products through a ML model.



SSr. Machine Learning Engineer

Rappi

Oct 2019 - Feb 2021 (1 year 5 months)

- Responsible for implementing data pipelines, descriptive statistics and machine learning to improve search results across all verticals at Rappi.
- In charge of building and scaling machine learning pipeline to 9 countries in Latin America ensuring average response time less than 40 milliseconds and high prediction accuracy.
- Increase of conversion rate by implementing heuristics into the search ranking (+4% - 5%).

- Increase of conversion rate by implementing Neural Network in pre-search to redirect search query to the right catalog (+10% - 15%).

Education



Georgia Institute of Technology

Master of Science - MS, Computer Science

Jan 2022 - Oct 2025



Universidad del Norte

Bachelor of Science - BS, Electronics Engineering

2014 - 2019

Skills

Python (Programming Language) • Machine Learning • Git • Docker Products • Data Warehousing •
Extract, Transform, Load (ETL) • Programming • Big Data • Data Analysis