

LUIZ FERNANDO COSTA DOS SANTOS

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Languages Portuguese, English.

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EXPERIENCE

Data Scientist III (MLOps) - Cloudwalk 01/2026 - Present
CloudWalk is a Brazilian unicorn democratizing the payment market with state-of-the-art technology through InfinitePay. As part of the credit team, I am responsible for the creation, deployment, and maintenance of credit models, as well as monitoring and analyzing all data related to credit operations.

Machine Learning Engineer - Platform team - Nubank 09/2025 - 12/2025
At Nubank, the world's largest digital bank outside Asia serving over 100 million customers, I spearheaded the development of a centralized Feature Store to standardize discovery and drastically reduce model time-to-market. I architected data immutability systems using Delta Lake to enforce strict quality standards and developed low-latency API endpoints that optimized the integration workflow for cross-country engineering teams.

Machine Learning Engineer - Credit team - Nubank 09/2022 - 09/2025
I engineered a Python orchestration library for batch and real-time environments, reducing average deployment times by 60%. I led the migration of monitoring services to a Spark/Scala framework, slashing contribution lead times from five hours to under one, and deployed a flexible binning framework that compressed change cycles from months to weeks. Additionally, I mentored junior engineers on architectural tests that directly impacted over 500,000 clients.

Machine Learning Engineer (Research Project) - Huawei & Embrapii Feb 2022 – Sep 2022
Partnering with Huawei, a global leader in ICT and solar solutions, I built a feature serving system using Airflow and InfluxDB to process IoT sensor data with sub-500ms latency. I developed a 50,000-point solar characterization dataset and deployed Random Forest models that increased the plant's energy generation efficiency by up to 12%.

EDUCATION

B.S in Data Science and Artificial Intelligence - Universidade Federal da Paraíba (BRAZIL) 08/2020 - 06/2025
· GPA: 9.43/10 (2nd of class)
· TF for Data Science Introduction, with a +30 students class

TOOLS AND INTERESTS

Tools Python, Scala, Java, C, C++, PyTorch, TensorFlow, MLFlow, Git, Linux, GCP, AWS, Kubernetes.
Interests Machine Learning Engineering, Large Language Models, Data Science, Software Engineering, MLOps.

EXTRACURRICULAR ACTIVITIES

Advisor - Momento 08/2025 - Present
Momento is an NGO that focuses on mapping alumni from public universities in Brazil and generating value through mentorship, events, and competitions. We already achieved almost 100 students from 5 different universities, with mentors from Harvard, MIT, DeepMind, Nubank, Google, and more.

Advisor - Trilha 04/2024 - Present
Trilha is an educational program. Our goal is to give new students practical experiences and knowledge about computer science, programming, and the job market. The project started in 2024 and are growing in size and students, with more than 50 students having completed or enrolled so far.

PAPERS

Generation-to-Storage Data Framework for Large-Scale Carbon Sequestration Simulation Datasets 2025

RELEVANT CERTIFICATES

Machine Learning in Production - deeplearning.ai 09/2025
Neural Networks and Deep Learning - deeplearning.ai 01/2021
CS50 - Harvard 10/2025