Machine Learning Engineer/ Data Engineer

Summary

Experienced Data and Machine Learning Engineer with a demonstrated history of working with microsservices folowing agile methods to optimize the process of development. Skilled in Python, Databricks, Spark, SQL, AWS Services, .NET core, node, react, angular and DevOps. Fluent in English and with intermediate knowledge in spanish.

Experience

SIXT
MLOps Engineer
May 2023 - Present (1 year 4 months)
Lisbon, Portugal

As an MLOps engineer at Sixt, I am responsible for managing the lifecycle of our ML models, from development to deployment and monitoring. I develop templates to accelerate the data science production using Python, Airflow and Kubernetes, and manage ML-related infrastructure in the cloud using Terraform and Helm. I also help tackle technical difficulties in reaching our clients' needs using software technology together with machine learning. I have knowledge of machine learning algorithms and be able to refactor and optimize code for low latency1. I collaborate with data scientists, DevOps engineers, and IT to ensure the quality and performance of the models1. I apply MLOps principles such as continuous integration, continuous delivery, testing, and monitoring to ensure the reliability and efficiency of our machine learning systems in production.

Hitachi Vantara
MLOps Engineer
April 2022 - May 2023 (1 year 2 months)
Portugal

Responsible for the lifecycle managment of machine learning products. Finding solutions for enchancing trainning, serving and monitoring models at scale.

dti digital
3 years 9 months

ML/Data Enginner
July 2020 - February 2022 (1 year 8 months)
Belo Horizonte, Minas Gerais, Brazil

Part of the DataOps team, responsible to renew the ECS datalake. That includes: proposal of architecture, construction of ETL pipelines for different data origins (real time or in batch).

And also member of the Growth team, where we create models to guide business decision for the entire company.

Software Architect
January 2020 - June 2020 (6 months)
Belo Horizonte, Minas Gerais, Brazil

Architect responsible for guiding and support 3 projects of Hermes Pardini laboratory with us. One of the projects involves integration of a custom Alexa skill with the laboratory system, bringing several features to the user in a simple and easier way. This projects uses .Net for the back end, react for front end, azure to continuous integration and cache intersystem database. The second project is using augmented reality, with unity engine and .Net, to enhance users experience. And de last but not least, is the use machine learning solutions to drive by data decision making in the company.

Lead Software Developer
June 2018 - January 2020 (1 year 8 months)
Belo Horizonte, Brazil

Leader and Developer for the DTI's teams: responsible for the implementation of several APIs for BS2 bank HUB, the eCred (Serasa Experian's marketplace for personal credit products), AGInfo (System responsible for the communication between Serasa's mainframe and its agencies) and BH supermarket (Build of PWA applications for digital transformation of the internal services.

Architect responsible for helping the definition of data lake structure, storage and consumption strategies, back end and front end technologies for Serasa's Polis plataform.

One of the Artificial Intelligence guild leaders, responsible for the elaboration of events and content creation.

Serasa
Data Engineer
June 2020 - February 2022 (1 year 9 months)
Belo Horizonte, Minas Gerais, Brazil

Part of the DataOps team, responsible to renew the ECS datalake. That includes: proposal of architecture, construction of ETL pipelines for different data origins (real time or in batch).

And also member of the Growth team, where we create models to guide business decision for the entire company.

BS2 Hub
Third Party
June 2019 - February 2020 (9 months)
Belo Horizonte Area, Brazil

Team Leader and responsible for the creation of the archtecture in the Dti team in the BS2 HUB. Development in .NET core, using queues and SQL database in our microsservices.

CryptoInvest
Data Scientist
April 2018 - September 2019 (1 year 6 months)
Belo Horizonte Area, Brazil

Development of machine learning supervised and unsupervised algorithms for market positioning using python, sklearn and xgboost. Feature engineering using statistics, forecasting and risk management. Implementation of automated tests and monitoring strategies for investment bots using pytest. Development of routines to treat and clean data from our data storage in MongoDB. The system runs in AWS EC2 instaces, with manual deploy, for now.

Serasa Consumidor
Third Party
July 2018 - April 2019 (10 months)
Blumenau Area, Brazil

Ledear of DTI digital team that works for Serasa. Building microsservices in Python, using Tornado for rest API comunications, pytest for the unit tests. All the services included in the CI/CD pipeline using Docker and Jenkins.

Conception of Polis architecture targeting data pipelines and storage optimization.

FlyTools
Intern
March 2017 - July 2018 (1 year 5 months)
Brazil

Develop plug-ins for Excel in C\#, algorithms in VBA for data analysis and interactivity with the user, database modelling with SQL.
Managed the team that is developed the sales system for the company, applying agile methods. Developing the back-end application and supervising the front-end and database teams.

Certo Atacadista
Internship
February 2008 - July 2008 (6 months)

Education

NOVA IMS Information Management School
Postgraduate Degree, Enterprise Data Science and Analytics · (February 2022 - December 2022)

Universidade Federal de Minas Gerais
Control Engineering and Automation, Control Engineering and Automation · (2011 - 2017)

Shibaura Institute of Technology
Power Electronics, Control Systems, Object Oriented programming · (2014 - 2015)

SENAI BH CECOTEG
Qualification, Industrial Electronics Technology/Technician · (2014 - 2014)

Escola Técnica de Formação Gerencial - SEBRAE/MG
High School · (2006 - 2008)