

André Ricardo Vargas da Silva Junior

Machine Learning Engineer | Data Scientist



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Summary:

Machine Learning Engineer based in Brazil with experience developing and deploying Machine Learning solutions. Skilled in cloud architectures, CI/CD, production deployment of models and APIs, and Data Science. Focused on leveraging MLOps practices to enhance scalability, efficiency, and reliability in Machine Learning projects.

Recent Work Experience:

Grupo Casas Bahia

- **Machine Learning Engineer Specialist | August/24 – Present**
 - Migration of tables and pipelines from Azure to Google Cloud Platform (GCP)
 - Development of a new CI/CD pipeline using GCP Databricks and Airflow

Stefanini Brasil – Banco do Brasil

- **Senior Data Scientist | January/24 – July/24**
 - Development of credit risk models to estimate the probability of an asset becoming problematic.
 - Development of managerial market projection models for Banco do Brasil.

Falconi Consultores S.A.

- **Machine Learning Engineer | January/23 – December/23**
 - Cloud architecture for Machine Learning systems.
 - Implementation and deployment of models and APIs in production.
 - Best practices for CI/CD and test-driven development.
 - Deployment of the MLFlow server on Google Cloud.
 - Creation of digital assets (templates, libraries, repositories) to accelerate the progress of projects.
- **Data Scientist | March/22 – December/22**
 - Development of Machine Learning models (supervised and unsupervised).
 - Coding of data apps and libraries to leverage work in projects.

Education:

- **Mechatronics Engineering | 2011 - 2017 | Universidade de Brasília, Brazil**
 - Exchange Program | Sep/14 – Aug/15 | Cardiff University, United Kingdom
 - Graduation Project: “Design and Prototyping of a Portable USB Charger for Easyglic, a Non-Invasive Device for Hypoglycemia Detection”

Technical Skills:

- **Machine Learning & Model Deployment:**
 - MLFlow
 - Databricks
 - H2O (AutoML)
 - Airflow
- **Web Development and APIs:**
 - HTML
 - CSS
 - Javascript
 - Flask
 - FastAPI
 - Streamlit
- **Data Science and Analysis:**
 - Python
 - SQL
 - Spark
- **Cloud Services and Machine Learning Operations (MLOps):**
 - Google Cloud Platform (GCP)
 - Microsoft Azure
 - Amazon Web Services (AWS)
 - Docker
 - Kubernetes
 - GitHub Actions

Project Management Methodologies and Tools:

- Agile
- Scrum
- Kanban
- JIRA
- Confluence
- Trello

Languages:

- **Portuguese (native)**
- **English (fluent)**
- **Spanish (advanced)**