LUIZ AUGUSTO FIDALGO

PERSONAL INFORMATION

Location: Frankfurt, Germany
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GitHub: github.com/lafidalgo
Nationality: Brazilian & Portuguese

Languages: Portuguese (Native), English (C1), German (A2)

PROFESSIONAL EXPERIENCE

Aug 2024 - Present

Amsterdam, Netherlands (Remote)

Machine Learning Engineer | Hotmart

- Assisted Data Scientists in deploying machine learning models into production using SageMaker and EKS.
- Developed high-performance APIs for AI applications using LLMs, RAG, and AI agents, optimizing integration and scalability for developers and clients.
- Created automation tools to streamline CI/CD pipelines, utilizing Docker, Kubernetes, and Terraform, significantly improving deployment efficiency and reducing release times.
- Authored RFCs and documentation to standardize workflows and ensure effective project execution.

Sep 2023 - Aug 2024

Brasília, Brazil (Remote)

Machine Learning Engineer | SnowFox AI

- Developed a pipeline to extract information from unstructured documents using OCR, LLMs, and RAG. Achieved human-comparable results with significantly faster processing times.
- Developed and deployed a computer vision solution for high-cardinality object detection and classification, including model training and scalable infrastructure setup using Kubernetes and Docker.
- Integrated state-of-the-art technologies like GPT-4o, SAM, YOLOv8, and other Foundation Models to enhance AI system performance in real-world applications.
- Architected and implemented cloud infrastructure for MLOps across GCP, AWS, and Azure environments

Mar 2021 - Dec 2022

Brasília, Brazil

Hardware and Software Development Intern | GrupoOrion

- Contributed to the development of 5 IoT sensor prototypes and supported the production, testing, and installation of over 200 units.
- Worked with microcontrollers and microprocessors to develop and optimize hardware solutions.
- Recognized as the company's Outstanding Intern of 2021.

EDUCATION

March 2018 - February 2024

Bachelor of Electrical Engineering | University of Brasília (UnB), Brazil

- Graduated with honors as the Outstanding Student of my class.

February 2023 - August 2023

International Sandwich Program | University of Rome Tor Vergata, Italy

- Attended master's level courses into Artificial Intelligence, IoT and VLSI.

SKILLS

Programming Languages: Python, C, C++

AI & ML: Pandas, Numpy, scikit-learn, TensorFlow, PyTorch, MLflow

LLM, RAG & AI Agents Frameworks: LangChain, LLamaIndex, CrewAi

AWS: S3, Lambda, ECR, EKS, SageMaker, Textract, DynamoDB, SQS

GCP: Cloud Storage, Cloud Functions, Cloud Run, Vertex AI, AutoML, GKE

DevOps: Docker, Terraform, Kubernetes, CI/CD, GitHub Actions

Web Frameworks: FastAPI, Flask, Streamlit

Data Visualization: Matplotlib, Plotly

Soft Skills: Leadership, Communication, Cross-functional Teamwork, Problem-Solving, Critical Thinking