LUIZ AUGUSTO FIDALGO

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Languages: English (C2), German (A2), Portuguese (Native)

PROFESSIONAL EXPERIENCE

Machine Learning Engineer   Aug 2024 – Present
Hotmart   *Amsterdam, Netherlands (Remote)*
- 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.

Machine Learning Engineer   Sep 2023 – Aug 2024
SnowFox AI   *Brasília, Brazil (Remote)*
- 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.

Hardware and Software Development Intern   Mar 2021 – Dec 2022
GrupoOrion   *Brasília, Brazil*
- 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

Bachelor of Electrical Engineering   Mar 2018 – Feb 2024
University of Brasília (UnB)   *Brasília, Brazil*
- Graduated with honors as the Outstanding Student of my class.

International Sandwich Program   Feb 2023 – Aug 2023
University of Rome Tor Vergata   *Rome, Italy*
- Attended master's level courses in Artificial Intelligence, IoT, and VLSI.

SKILLS

Programming Languages: Python, C, C++
AI & ML: Pandas, Numpy, scikit-learn, TensorFlow, PyTorch, MLflow
LLM, RAG & AI Agents: 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