

# LUIZ AUGUSTO FIDALGO

## PERSONAL INFORMATION

**Location:** Frankfurt, Germany  
**Personal Website:** luizfidalgo.com  
**Email:** luiz.fidalgo@hotmail.com  
**LinkedIn:** linkedin.com/in/luiz-augusto-fidalgo  
**GitHub:** github.com/lafidalgo  
**Nationality:** Brazilian & Portuguese



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

## PROFESSIONAL EXPERIENCE

<b>Aug 2024 - Present</b>  Amsterdam, Netherlands (Remote)	<b>Machine Learning Engineer   Hotmart</b> <ul style="list-style-type: none"><li>Assisted Data Scientists in deploying machine learning models into production using SageMaker and EKS.</li><li>Developed high-performance APIs for AI applications using LLMs, RAG, and AI agents, optimizing integration and scalability for developers and clients.</li><li>Created automation tools to streamline CI/CD pipelines, utilizing Docker, Kubernetes, and Terraform, significantly improving deployment efficiency and reducing release times.</li><li>Authored RFCs and documentation to standardize workflows and ensure effective project execution.</li></ul>
<b>Sep 2023 - Aug 2024</b>  Brasília, Brazil (Remote)	<b>Machine Learning Engineer   SnowFox AI</b> <ul style="list-style-type: none"><li>Developed a pipeline to extract information from unstructured documents using OCR, LLMs, and RAG. Achieved human-comparable results with significantly faster processing times.</li><li>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.</li><li>Integrated state-of-the-art technologies like GPT-4o, SAM, YOLOv8, and other Foundation Models to enhance AI system performance in real-world applications.</li><li>Architected and implemented cloud infrastructure for MLOps across GCP, AWS, and Azure environments</li></ul>
<b>Mar 2021 - Dec 2022</b>  Brasília, Brazil	<b>Hardware and Software Development Intern   GrupoOrion</b> <ul style="list-style-type: none"><li>Contributed to the development of 5 IoT sensor prototypes and supported the production, testing, and installation of over 200 units.</li><li>Worked with microcontrollers and microprocessors to develop and optimize hardware solutions.</li><li>Recognized as the company's Outstanding Intern of 2021.</li></ul>

## EDUCATION

<b>Mar 2018 - Feb 2024</b>	<b>Bachelor of Electrical Engineering   University of Brasília (UnB), Brazil</b> <ul style="list-style-type: none"><li>Graduated with honors as the Outstanding Student of my class.</li></ul>
<b>Feb 2023 - Aug 2023</b>	<b>International Sandwich Program   University of Rome Tor Vergata, Italy</b> <ul style="list-style-type: none"><li>Attended master's level courses into Artificial Intelligence, IoT and VLSI.</li></ul>

## 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