

# ALEJANDRO ORTIZ PERDOMO

## AI Engineer | Machine Learning Engineer

📍 Bogotá, Colombia    📞 +57 319 666 3193    ✉ alejortizp@gmail.com

[LinkedIn](#) | [alejortizp](#)

### PROFESSIONAL PROFILE

AI Engineer specialized in **GenAI/RAG** and **LLMs** with proven track record productionizing solutions on **Azure**. End-to-end experience from research to production deployment with **MLOps**. Developer of intelligent agents with **LangChain** for enterprise workflow automation. Combines strong mathematical foundation (Statistics) with modern software engineering (CI/CD, Docker) to build scalable and reliable AI systems.

### WORK EXPERIENCE

**AI Developer Consultant**  
**Periferia IT**

Jun 2025 - Present

**Machine Learning Engineer**  
**Global Hitss**

Sep 2023 – Jun 2025

**Machine Learning Consultant**  
**Grupo CINTE**

Aug 2023 – Sep 2023

**Data Scientist**  
**NAE**

Mar 2023 – Jul 2023

### EDUCATION

**Master in Software Engineering**  
**Universidad de los Andes**  
2025 - In Progress

**B.S. in Statistics**  
**Universidad del Valle**  
2011 - 2016

**Data Science Diploma (DS4A)**  
Correlation One, 2022

**Deep Learning Diploma**  
Univ. Autónoma Occidente, 2023

# OPEN SOURCE PROJECTS

## **Email Agent with LangChain** [github.com/alejortizp/email-agent](https://github.com/alejortizp/email-agent)

Intelligent agent that queries emails via IMAP, classifies with LLM, and generates contextual automatic responses. Reduces response time by **80%**.

**Stack:** LangChain, Azure OpenAI, IMAP, Python, Prompt Engineering

## **NL-to-SQL/Pandas Agent** [github.com/alejortizp/nl-to-code](https://github.com/alejortizp/nl-to-code)

Agent that translates natural language to SQL queries and Pandas operations. Includes code validation, secure sandbox execution, and automatic results visualization.

**Stack:** LangChain, SQL, Pandas, Code Interpreter, ReAct Pattern

## **RAG Restaurant Ordering System** [github.com/alejortizp/rag-ordering](https://github.com/alejortizp/rag-ordering)

Conversational ordering system with RAG over restaurant menu. Agent processes product selection in natural language, generates invoices, and calculates totals. Includes inventory management.

**Stack:** LangChain, FAISS, Azure OpenAI, FastAPI, Streamlit

# TECH STACK

## GENAI & LLMS

**LangChain** ★★★★★ (Agents, RAG)

**Azure OpenAI** ★★★★★  
(GPT-4, Embeddings)

**Prompt Engineering**  
★★★★★

**Vector DBs** ★★★★★ (FAISS, Pinecone)

## AZURE AI & CLOUD

**Azure AI Search** ★★★★★

**Document Intelligence** ★★★★★

**Databricks + MLflow**  
★★★★★

## ML/DL FRAMEWORKS

**PyTorch** ★★★★★ | **TensorFlow**  
★★★★★

**Scikit-learn, XGBoost, LightGBM**  
★★★★★

**Hugging Face Transformers**  
★★★★★

## MLOPS & ENGINEERING

**Python, SQL, PySpark**  
★★★★★

**Docker, CI/CD** ★★★★★

**FastAPI, Streamlit** ★★★★★

**Git, GitHub Actions** ★★★★★

# POWER SKILLS

Effective Communication

Problem Solving

Analytical Thinking

Team Collaboration

Adaptability


Continuous Learning

Time Management

Technical Leadership

# LANGUAGES

 **Spanish**  
Native

 **English**  
Professional Proficiency  
(B2/C1)

# CERTIFICATIONS

---

## **Intro to Version Control with Git and GitHub**

Univ. de los Andes, Sep 2025

## **NLP Specialization** (RAG/Transformers)

Coursera, Jun 2025

## **PyTorch Ultimate**

Coursera, Mar 2025

## **MLOps and Databricks**

Netec, Dec 2024

## **AWS Cloud Practitioner**

Udemy