

Leon Achata

AI Specialist

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Professional Profile

Generative AI Engineer with experience building scalable LLM-powered applications, RAG pipelines, intelligent agents, and AI automation systems.

Skilled in Python, AWS, APIs, vector databases, and production AI architectures focused on real-world deployment and scalability.

Currently contributing to enterprise projects for Apple at TCS, working in fully international environments.

Work Experience

Apple via TCS

Montevideo, Uruguay

GenAI Engineer

March 2026 - Now

- Lead the design and implementation of enterprise-scale Generative AI (GenAI) solutions at Apple, focusing on intelligent workflow automation powered by Large Language Models (LLMs).
- Architect AI pipelines that integrate Apple's enterprise tools (Radar, Box, Quip, Mail, Slack) to automate end-to-end processes and enable intelligent cross-functional workflows.
- Develop and iterate GenAI Proofs of Concept (POCs) from ideation through production deployment, presenting technical proposals and results to international stakeholders in English.
- Design and implement advanced prompt engineering, Retrieval-Augmented Generation (RAG), and LLM agent orchestration strategies to optimize the quality, reliability, and performance of enterprise GenAI systems.
- Collaborate closely with globally distributed engineering and product teams, including APAC regions (China, Singapore, Korea), operating entirely in English within highly demanding multicultural environments.
- Ensure enterprise-grade quality standards in the development of GenAI solutions, addressing scalability, maintainability, and security requirements within Apple's corporate environment.

JLR Analytics

Lima, Perú

AI Engineer

September 2025 - February 2026

- Development of Artificial Intelligence solutions applied to software projects, focused on automation, data interaction, and intelligent information retrieval
- Assisted in the development of an AI-driven robotic arm project for POS systems (Niubiz), leveraging intelligent agent orchestration for automation and control.
- Built and orchestrated multi-agent systems using LangChain, LangGraph and MCP.
- Deployed and maintained AI agents in Docker and AWS environments, utilizing ECR, EKS, Bedrock, Secrets Manager, S3, CloudWatch, and DynamoDB for scalable and secure production setups.
- Implemented vector-based data retrieval using pgvector for efficient context search and information retrieval from structured and unstructured sources.
- Optimized prompt design and token efficiency as a Prompt Engineer, conducting functional and performance testing before production deployment.
- Built RAG systems using LangChain, LangGraph, and Ollama to create specialized local AI agents capable of vectorizing documents and retrieving relevant information efficiently.
- Developed intelligent chatbots with NLP and document analysis (PDFs, OCR, and speech-to-text), integrating them into production environments with Docker and Railway.

Universidad Peruana Cayetano Heredia

Lima - Perú

AI/ML Developer Junior

April 2025 - September 2025

- Developed intelligent agents and conversational workflows using LangChain and Large Language Models to automate tasks related to analysis, search, and information generation in academic and research environments.
- Implemented RAG systems by combining vector stores (FAISS, ChromaDB) and custom embeddings, optimizing the accuracy and relevance of language model responses.
- Designed and integrated AI pipelines for processing text, images, and structured data, ensuring traceability, scalability, and reproducibility through orchestration and version control tools.
- Collaborated in the deployment and monitoring of AI models in production environments.

AI/ML Developer Junior

April 2024 - March 2025

- Developed artificial intelligence models focused on medical text processing, using neural networks and transformers to improve classification and information extraction.
- Created intelligent conversational agents with LangChain, designed to assist in internal medical queries and automation of technical reports.
- Collaborated on the optimization and evaluation of machine learning models, applying fine tuning

Data Scientist

October 2023 - Abril 2024

- Programmed in Python to automate data analysis workflows and extract actionable insights from large datasets.
- Developed scripts for data cleaning, transformation, and visualization, enabling clearer trend identification and better decision-making.

Asociación Educativa Waymaku

Lima, Perú

Data Scientist Junior

July 2021 - October 2023

Data Analyst

January 2020 - July 2021

Technical Habilities

Languages:

- Advanced English C2
- Intermediate Portuguese

Programming Languages:

- **Advanced Python** (Pydantic, Typing, FastAPI)
- **SQL** (PostgreSQL, MySQL, MongoDB).
- Intermediate JavaScript (TypeScript, Node.js)
- Git, Docker, Bash, AWS CDK
- R, Matlab, Arduino, Assembly, C.

Artificial Intelligence:

- LangChain, LangGraph, LangSmith
- Google ADK
- MCP, A2A, ACP, ANP
- Ollama

Big Data and Cloud:

- PySpark, Apache Spark
- AWS (S3, RDS, EC2, Lambda, Bedrock)

Education Background

Universidad Católica de Uruguay

- *B.Sc. Software Engineering*

Lima, Perú

July 2026 - Dec 2029

Pontificia Universidad Católica del Perú

- *B.Sc. Biomedical Engineering*

Lima, Perú

April 2021 - December 2025

SENATI

- *Post-Production Design Assistant*

Lima, Perú

March 2017 - December 2019

Certifications

- IBM - Machine Learning Professional Certificate
- IBM - Data Analyst Professional Certificate
- IBM - Business Intelligence (BI) Analyst Professional Certificate
- Cámara del Comercio Exterior - Certificado Excel Avanzado
- DataCamp - Associate AI Engineer for Developers
- DataCamp - Microsoft Azure Fundamentals (AZ-900)
- AWS - Certified Cloud Practitioner (CLF-C01)
- AWS - Certified AI Practitioner (AIF-C01)
- And many more