



Marlon Leandro

<https://www.linkedin.com/in/marlonleandro/>

Lima – Perú, 15408

Tel. (+51) 985-689-885

[✉ marlonleandro@yahoo.com](mailto:marlonleandro@yahoo.com)

[🌐 https://mycustomdevs.com](https://mycustomdevs.com)

DNI:40733917

PROFESSIONAL SUMMARY

AI Engineering Lead & Solutions Architect with over 15 years of experience designing scalable, high-performance systems and 3+ years dedicated to **Generative AI** and **Cloud-Native solutions**. Expert in architecting **Agentic AI** workflows, **Conversational RAG** platforms, and enterprise-grade **SDKs**. Strong proficiency in **Python (PyTorch/TensorFlow)**, **MLOps**, and **Data Governance**. Proven track record of bridging the gap between Data Science and Engineering, mentoring cross-functional teams, and delivering reliable, governed AI solutions in the banking and mining sectors. Specialization in Deep Learning and Generative AI from MIT.

TECHNICAL SKILLS

- **AI & GenAI:** Agentic Workflows, Conversational RAG, LLM Fine-tuning (SFT basics), Prompt Engineering, Vector Databases (Azure AI Search), Computer Vision (OpenCV), Natural Language Processing.
- **Core Stack:** Python, PyTorch, C# (.NET Core), SQL, NoSQL.
- **Architecture & Ops:** Microservices, Event-Driven Architecture, Custom SDK Design, MLOps, CI/CD (Azure DevOps), Docker, Kubernetes.
- **Cloud Platforms:** Azure OpenAI Service, Azure Cognitive Services, Azure Functions (Serverless), AWS.
- **Governance & Leadership:** Responsible AI principles, Data Lineage, Technical Mentoring, Agile/Scrum.

WORK EXPERIENCE

BAUFEST, Peru | Aug. 2021 – Present

AI Engineer & Software Architect

- **Agentic & Conversational AI:** Architected an end-to-end **Conversational RAG** solution using **Azure OpenAI** and vector databases for document intelligence. Implemented grounded responses and citation mechanisms to ensure high reliability and compliance.
- **SDK Design & Platform Scalability:** Designed and released a secure, reusable **SDK** for the banking sector, enabling mobile teams (Android/iOS) to integrate Computer Vision and AI capabilities seamlessly. Reduced integration time and enforced governance standards across the organization.
- **Real-time Processing:** Led the implementation of a high-availability backend for Computer Vision processing, managing low-latency data streams using **Python** and **.NET Core**.
- **Governance & Mentoring:** Established "Golden Paths" for AI adoption, defining coding standards and architectural patterns. Actively mentored engineers and data scientists on MLOps best practices and production deployment.

HYPER SYSTEM SAC, Peru | Mar. 2017 – Oct. 2020

Technical Lead

- **Real-time Systems:** Developed facial recognition and biometric identification systems using **Python (TensorFlow/OpenCV)**, integrated into a high-velocity bus management platform.
- **Cloud Architecture:** Orchestrated the deployment of cloud-native solutions on Azure and AWS, ensuring resilience and scalability for critical business operations.
- **Team Leadership:** Led a multidisciplinary engineering team, translating business requirements into technical architectures and driving the delivery of complex digital products.

MTC, Peru | Nov. 2020 – Jul. 2021

IT Architect

- Designed the "TUPA Digital" architecture, integrating modern frontend frameworks with robust backend APIs and Oracle databases.
- Ensured secure data transmission and high performance for high-traffic public services.

CONSORCIO MINERO HORIZONTE, Peru | Apr. 2011 – Feb. 2017

Project Manager

- Directed the full SDLC of Corporate GIS systems and ERP integrations.
- Oversaw the development of mobile solutions and their synchronization with core business systems.

CIA. MINERA ARES, Peru | Sep. 2010 – Apr. 2011

Database Administrator

- Managed corporate geological databases in SQL Server and PostgreSQL. Implemented data estimation modules.

ACADEMIC & MENTORING EXPERIENCE

SENATI / UPC / USIL / TECSUP / U. CONTINENTAL, Peru | 2017 – 2026

Postgraduate Professor & Lecturer

- **Curriculum Development:** Designed and taught advanced courses in **Python**, IoT, and **Business Intelligence**.
- **Talent Uplift:** Mentored hundreds of students and professionals, helping them upskill in Software Architecture and Data Engineering concepts.

EDUCATION & CERTIFICATIONS

MASSACHUSETTS INSTITUTE OF TECHNOLOGY (MIT) | Remote

Professional Education (Aug. 2024 – Feb. 2025)

- **Generative AI Applied to Digital Transformation:** Focus on LLM applications and prompt engineering.
- **Deep Learning: Mastering Neural Networks:** Advanced training in neural network architectures.
- **Design of Artificial Intelligence Products and Services.**

UNIVERSIDAD SAN IGNACIO DE LOYOLA | Peru

- PhD Student in Business Administration (In Progress).

UNIVERSIDAD POLITÉCNICA DE CATALUÑA | Spain

- Master's Degree in Business Administration (International MBA) (2015).

UNIVERSIDAD PERUANA DE CIENCIAS APLICADAS (UPC) | Peru

- Master's Degree in Business Administration (MBA) (2015).
- **B.S. Systems Engineering** (2010).

RELEVANT COURSES

- **Udemy (2024):** Modern Software Architecture (DDD, Microservices), Machine Learning & Data Science.
- **Silicon Valley Innovation Center (2017):** The Disruption and Ecosystem of Silicon Valley.

PROFESSIONAL REFERENCES

Héctor Delgado

Account Architect – BAUFEST

hdelgado@baufest.com

Juan Carlos Pereyra

IT Superintendent – Consorcio Minero Horizonte S.A.

jpereyra@cmh.com.pe

Hernán Tanabe

Administrative Head of Exploration – Cía. De Minas Buenaventura S.A.A.

hernan.tanabe@buenaventura.pe