

Mathias José Calderón Vásquez

[portfoliomirito](#) - +506 8460 9779 – miritodev@gmail.com

To grow technically in the application of Artificial Intelligence within competitive environments, design and implement complex cloud based solutions on AWS, and leverage Machine Learning to predict and identify meaningful patterns in data for high impact decision making. For me, technology is not just about writing code, but about engineering systems that are efficient, resilient, and meaningful.

Projects & Academic Experience

Trading Simulation Platform (Modular AI-Orchestrated Backend)

Developed a modular Python trading simulation platform using dynamic task orchestration (CrewAI), including account management, buy/sell execution, portfolio valuation, and P/L calculation. It solves the problem of practicing investment strategies without real financial risk while enforcing transaction validation and financial state consistency.

Security Researcher – Responsible Disclosure

Identified and responsibly disclosed a critical Broken Access Control vulnerability (CVSS 9.8) in a SaaS gym management platform, exposing sensitive personal data. Conducted API traffic analysis, documented legal impact (Costa Rica Law 8968), and provided remediation roadmap aligned with OWASP and ISO 27001 best practices.

Education & Certifications

B.Sc. in Computer Systems Engineering

Universidad Latina de Costa Rica (ULatina)

Expected Graduation: December 2026

AWS Skill Builder – Cloud Training (Multiple Courses)

Completed multiple hands-on courses focused on efficient, secure, and cost-optimized cloud architecture using AWS services, covering best practices in cloud security, pricing models, infrastructure design, and operational excellence.

IBM Cloud Computing Fundamentals Certification

Earned foundational certification covering core cloud computing concepts, service models (IaaS, PaaS, SaaS), deployment models, virtualization, and cloud architecture principles.

Skills

Python - AWS – Docker – Kubernetes – Pandas – Linux – Git – Github – SQL – MongoDb – AI - Adaptability

Languages

- English C1 (Fluent)
- Spanish Native