

Martin A. Acebey Laime

Software Engineer — Backend & AI Specialist

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Spanish (Native) — English (B2)

Professional Summary

Software Engineer specialized in **Backend** and **Applied Artificial Intelligence**. Expert in designing **scalable microservices**, **RAG** architectures, and deploying intelligent agents. Track record optimizing high-concurrency systems through **gRPC** and **CI/CD** workflow automation. Active contributor to **Python communities** and problem-solving enthusiast on **LeetCode**.

Professional Experience

10/2023–Present **Backend Developer**, *Enviame*, Santiago, Chile (Remote)

- Developed and maintained microservices, managing integrations with third-party APIs including **Amazon Selling Partner API** and **Mercado Libre API**.
- Led the exploration and adoption of emerging technologies (**RAG** architectures with **ADK** and **LangChain**), improving operational efficiency and positioning the team at the technological forefront.
- Implemented **RAG** architectures and autonomous agents using **ADK**, increasing response accuracy in internal systems by 70%.
- Optimized microservices communication through **gRPC** adoption, reducing network latency by 25% and improving cloud resource usage.
- Standardized **CI/CD** workflows to ensure continuous deployment, achieving a 50% reduction in production errors.
- Mentored 3 junior developers, promoting clean code standards and technical reviews.

07/2022–10/2023 **Backend Team Lead**, *Devocamp*, New York, USA (Remote)

- Led the development of critical microservices in **HealthTech** (medical management) and **HRTech** (recruitment) sectors, using **Python** and **Node.js** to handle complex business rules.
- Managed third-party integrations and high-availability APIs processing +10k daily requests.
- Refactored the business core, improving PostgreSQL query performance by 30% through ORM optimization and indexing.
- Implemented automation pipelines that accelerated the delivery cycle by 20%.

12/2021–07/2022 **Fullstack Developer**, *Freelance*, Sucre, Bolivia

- Developed comprehensive applications using **Python/Django + React**, digitizing critical processes for local startups.
- Designed database architectures from scratch and managed deployment and maintenance on VPS servers.

Education

2019–2023 **Bachelor of Science in Computer Science**, *San Francisco Xavier University*, Sucre, Bolivia

- **Graduated with Excellence** (Highest distinction for outstanding academic performance).
- **Honorable Mentions in ACM-ICPC competitions** (National and South American phases). Among the top 50 in Bolivia and top 90 in Latin America in my last competition.
- President of the Student Scientific Society of ICT (SCETIC) in 2023.
- Teaching Assistant for Database course.

Technical Skills

Languages **Python**, JavaScript (Node.js), SQL.

AI & Data **ADK (Agent Development Kit)**, LangChain, MCP, RAG, AI Agents, Vector DBs.

Frameworks Django, FastAPI, Flask, React.js, Express, Node.js.

Infrastructure Google Cloud Platform (GCP), Docker, Redis, Celery, MySQL, PostgreSQL, MongoDB.

Tools gRPC, REST, GraphQL, Git, CI/CD, Pytest, Jest, Selenium.

Impact Projects

- AI Agent Suite Enterprise conversational agent developed with **LangChain, ADK, and MCP** for real-time data querying.
- gRPC High Perf Massive data transmission system with **Python**, reducing serialization overhead by 50%.
- Legal Scraping Distributed scraping architecture with Selenium and Celery for monitoring judicial auctions.