Jean Victor Rada

AI Engineer & Cloud Architect | Specialized in LLM Agents,
RAG & Async Systems | Python & AWS

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Senior AI Engineer & Cloud Architect with 5+ years of experience building reliable and scalable systems using **Python, AWS, and Terraform**. Specialized in designing **Agentic Workflows** for the enterprise sector, with deep expertise in **Multi-Agent orchestration (LangGraph)** and optimizing high-precision **RAG pipelines (GraphRAG/Qdrant)**. Proven track record in the entire development lifecycle, from architecting cloud infrastructure to ensuring system quality in production.

EXPERIENCE

Medical Specialization and Update Center (CEAM)
AI Engineer & Backend Specialist — *Aug, 2023 - Jan, 2026*
- Engineered autonomous **Multi-Agent Systems using LangGraph**, implementing a Supervisor Protocol to route tasks between specialized agents (Sales, Clinical, Scheduling), automating 40% of manual workflows.
- Architected a **GraphRAG system** combining **Qdrant** (Vector DB) and Knowledge Graphs to process massive medical datasets from the *Caja Nacional de Salud*, significantly improving clinical case analysis accuracy compared to standard RAG.
- Deployed a **Serverless Image Processing pipeline** (AWS Lambda + Image Handler) to optimize storage costs and implemented WebSockets via API Gateway for real-time agent streaming.
- Established **LLMOps standards** using **LangSmith** for observability/tracing and **RAGAS** for automated evaluation of retrieval quality.
  Tech Stack: Python, Langchain, Langgraph, LangSmith, Embeddings, LLM, Vector Databases, Qdrant, Fine tuning, Retrieval Augmented Generation (RAG), LCEL, GraphRag, Terraform, Serverless.

My Apps SRL
Backend Engineer & Cloud Engineer — *Aug, 2022 - Aug 2023*
- Led the migration from monolithic Java applications to a containerized **Microservices architecture** using **Spring Boot**, **Docker**, and **Terraform**.
- Orchestrated cloud resources to reduce monthly infrastructure costs by **50%**, implementing rightsizing strategies for EC2 instances and Auto-Scaling policies on AWS ECS.
- Optimized API response times by 30% through database tuning (PostgreSQL) and implementing asynchronous communication patterns between microservices.
  Tech Stack: AWS ECS, EC2, Lambda, Docker, Red Hat JBoss, Terraform, Java, Spring Boot.

Clinitify
Backend Engineer & Cloud Solutions — *Jun 2021 - Jul 2022*
- Developed real-time communication infrastructure for medical consultations using **Node.js**, **RabbitMQ**, and **Socket.IO**, ensuring high availability.
- Designed and deployed scalable cloud architectures on **AWS**, implementing resource optimization strategies that reduced costs by 20% while maintaining 99.9% uptime.
- I actively participated in the entire development cycle of the system, ensuring alignment with business and marketing strategies.
  Tech Stack: Node, Express, RabbitMQ, Socket.IO, Docker, Docker Compose, Nginx, PostgreSQL, Typescript.

Entereza
FrontEnd Engineer — *Jan, 2022 - Aug, 2022*
- Improved the accessibility, design and user experience of the legacy system by reducing loading times by 50%.
- A new platform for additional services was developed in record time, aligning the UI/UX design with the strategies of the marketing and branding teams.
- Improve the user experience by improving the platform's performance in terms of loading time, usability and design.
  Tech Stack: ReactJS, Redux, Redux Toolkit, HTML&CSS, Tailwind, Material UI

PROJECTS

FrontEnd Developer, Cloud Developer Freelance (Moyo AI) – www.moyoai.com - 2021

- I migrated and redesigned an application developed in Javascript to ReactJS. At the same time, I was responsible for bringing Machine Learning services to a serverless environment using Amazon Web Services reducing the maintenance workload by up to 70%.
  Tech Stack: Javascript, ReactJS, FastAPI, Api Gateway (AWS), Lambda (AWS).

SKILLS

Programming Languages: Advanced: Typescript, Python; Intermediate: Java, Go; Basic: C#, C++.

Frameworks Tools: Advanced: LangGraph, FastAPI, Nest, React, Next, Django; Intermediate: Golang, Spring Boot, Laravel; Basic: .NET, Vue, NuxtJS.

Data Base: Advanced: PostgreSQL, MongoDB, MySQL; Intermediate: DynamoDB, DocumentDB; Basic: MariaDB.

Tools: Git, GraphQL, Slack, Trello, Open Project, Jira, Amazon Web Services, Swagger, Postman, Figma, Discord, Calendly.

Agile: Scrum, Kanban.

Languages: Intermediate: English; Native: Spanish.

EDUCATION

Public University of El Alto – La Paz, Bolivia. Bachelor's Degree in Systems Engineering, January 2018 to december 2022.