

Rafnix Gabriel Guzmán Garcia

Python Backend | AI Engineer | Odoo Developer

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Summary

Python Backend with **+15** years building production systems: **REST APIs** with **FastAPI** and **Django**, complex integrations (**REST, XMLRPC, SOA**), **Automation, Microservices** and legacy system migration. Specialist in **Odoo ERP**, electronic invoicing, and **ETL** processes on **PostgreSQL**. I manage my own infrastructure (**Proxmox, Docker, Kubernetes, CI/CD**) where I develop, test and deploy end-to-end solutions. Experience across multiple sectors: finance, retail, manufacturing, telecommunications and services. I complement my backend profile with hands-on **AI Engineering** experience: designing **RAG Pipelines, Agentic AI, Prompt Engineering** workflows and solutions with **LLM**, applying AI to solve real business problems.

Experience

Kimenz Equipamentos & Engenharia Clínica

Odoo Developer 2023-12-01 - Present
Development and maintenance of custom **Odoo ERP** modules for field service management, improving coordination and traceability of on-site technical tasks. Resolution of critical production bugs impacting the daily operations of the clinical engineering team. Design and deployment of production infrastructure based on Proxmox with LXC containers, ensuring ERP availability and reducing operational costs.

Peru Apps / Moventi

Python Developer 2022-05-31 - 2022-11-30
Designed and developed RESTful APIs with **FastAPI** for a digital services platform, implementing JWT authentication with granular role-based authorization. Built the administrative **backoffice** with comprehensive user management, permissions and report generation. Integrated **AWS** services (**S3** for storage, **SES** for notifications) and established the deployment pipeline with **Docker**, including production **monitoring** and **logging**.

Indra

Python Developer Analyst 2022-01-31 - 2022-04-30
Led the migration of **legacy** automation processes to **Python**, replacing obsolete scripts with robust solutions using **SFTP, MSSQL** and data processing with **Pandas**. Defined the team's **DevOps** guidelines, implementing **CI/CD** pipelines with **Jenkins** and container orchestration on **Kubernetes**. Developed the internal RPA-UTILS library, standardizing robotic process automation and reducing development time for new automations.

SEAD SAC

Python/Odoo Developer → Senior Python/Odoo Developer 2018-12-31 - 2021-12-31
Grew from Developer to Senior leading **+7 Odoo ERP** implementations in retail, manufacturing and services. Developed custom modules with **Python/ORM** and implemented the **Electronic Invoicing** system for SUNAT (XML, digital signature, OSE). Built complex integrations with REST, XMLRPC and SOA APIs against third-party systems. Designed the deployment infrastructure on AWS (EC2, Route53, S3) with Docker and established the CI/CD pipeline with GitLab CI, including a mini-PaaS for environment management. Optimized PostgreSQL, developed ETL data migration processes and trained both end users and Junior developers.

Multiple Companies

Freelance Full-Stack Developer & Consultant 2012-02-28 - 2022-04-30
Full-Stack web development (**PHP/Laravel, Python/Odoo, VueJS, WordPress**), technology consulting and **ERP** modules for clients across **4 sectors** in Venezuela, Chile and remote engagements. Extended CV at <https://resume.rafnixg.dev>

Education

- Platzi** Backend Development with Python and Django • Completed 2022
Computer Programming 2019-12-31 - 2022-12-31
Completed backend training focused on Python, Django, FastAPI, REST APIs and software design.
- Universidad de Carabobo** Engineering Degree • NOT COMPLETED (7th Semester)
Telecommunications Engineering 2008-02-28
Completed coursework through the 7th semester in telecommunications, networking and systems analysis.
- Instituto Universitario de Tecnología del Estado Portuguesa** Associate Degree in Computer Science
Computer Science 2012-12-31 - 2015-12-31

Projects

- AI Homelab Platform (Private) - Agentic AI Operations Lab** 2024-01-01 - Present
Self-hosted AI lab on multi-host Proxmox infrastructure with ~56 operational containers managed via Docker/Portainer. Integrates AI services like AnythingLLM, OpenClaw and autonomous agents in n8n for LLM-powered workflow automation. Enables hands-on evaluation of open-source SLM/LLM models via LM Studio, comparing quality, latency and cost per use case.
<https://links.rafnixg.dev>
- SismosVE - Earthquake Monitoring Venezuela** 2020-01-01 - 2025-11-28
Real-time seismic monitoring application for Venezuela with official FUNVISIS data. FastAPI backend (Python 3.13) with modular architecture, interactive Leaflet.js map, advanced filters and statistics updated automatically every 5 minutes. Deployed with multi-arch Docker, CI/CD with GitHub Actions, SEO optimized (Open Graph, Schema.org) and Cloudflare Tunnel compatible.
<https://github.com/rafnixg/sismosve>
- RafnixG-Lib - Personal Card Python Library** 2022-03-01 - 2025-11-28
Open-source Python library published on PyPI that works as a personal card from the terminal. Includes CLI with multiple commands: styled personal info with Rich, blog posts via Hashnode GraphQL API and JSON resume parser. Automated PyPI publishing via GitHub Actions.
<https://github.com/rafnixg/rafnixg-lib>
- Own WSGI - Educational WSGI Server Implementation** 2023-01-01 - 2023-06-30
Educational implementation of a WSGI server built from scratch following the PEP 3333 specification. Includes custom routing system, middleware, Request/Response object abstraction and FastAPI compatibility. Designed as a learning resource about web server architecture and the HTTP protocol.
https://github.com/rafnixg/own_wsgi
- BnB-BCV - Binance P2P & BCV Exchange Rate API** 2024-06-01 - Present
Exchange rate API combining official BCV data with Binance P2P USDT prices for the Venezuelan market. Built with FastAPI, includes SQLite persistence for historical analysis, web interface, health checks and scheduled automated updates. Aimed at providing transparent and accessible financial data.
<https://github.com/gabrielbaute/binance-bcv-dolar>
- SpotifySaver - Spotify Music Downloader with Jellyfin Integration** 2024-08-01 - Present
Music download tool with Spotify metadata optimized for Jellyfin servers. Retrieves audio from YouTube Music via yt-dlp, generates synchronized LRC lyrics and NFO files with automatic folder structure. Offers three interfaces: CLI, REST API and Web UI with real-time progress. Deployed with Docker via GitHub Container Registry.
<https://github.com/gabrielbaute/spotify-saver>

Certifications

<u>Introduction to LLMs in Python</u>	2025-02-19
DataCamp	
<u>Designing Agentic Systems with LangChain</u>	2025-02-18
DataCamp	
<u>Retrieval Augmented Generation (RAG) with LangChain</u>	2025-02-17
DataCamp	
<u>Developing LLM Applications with LangChain</u>	2025-02-17
DataCamp	
<u>Designing and Implementing a Microsoft Azure AI Solution</u>	2025-01-24
Microsoft Learn	
Bootcamp Azure AI Engineer Associate	2024-11-19
Código Facilito	
Software Architecture Fundamentals	2024-05-12
Código Facilito	
Machine Learning with ScikitLearn	2023-05-30
Código Facilito	

Skills

Backend, APIs & ERP

Expert

Python, FastAPI, Django, Flask, Odoo ERP, Odoo Development, REST APIs, GraphQL, Microservices, XML/XMLRPC, Electronic Invoicing, Payment Integration, WooCommerce, E-commerce Platforms, API Design

Data, Databases & Automation

Advanced

PostgreSQL, MySQL, MariaDB, Redis, SQLite, Database Optimization, Query Performance, Pandas, Apache Airflow, ETL Pipelines, Automation, RPA, Web Scraping, BeautifulSoup

AI Engineering & LLM Systems

Advanced

LLM, LLM Application Design, RAG Pipelines, Agentic AI, Prompt Engineering, Tool Calling, LangGraph, LangChain, n8n Agents, AnythingLLM, LM Studio, Open-Source LLM Evaluation, AI Observability

Cloud, DevOps & Platform Operations

Advanced

AWS (EC2, S3, SES, Route53), Docker, Docker Compose, Kubernetes, Linux Administration, Bash Scripting, CI/CD, GitHub Actions, GitLab CI, Jenkins, Terraform, Infrastructure as Code, Proxmox, LXC, LXC Containers, Portainer, NewRelic APM, Cloudflare, Cloudflare Tunnels, Travis CI, Uptime Kuma, Pi-hole, Service Reliability, Self-hosted Platforms

Frontend & Web Interfaces

Intermediate

JavaScript, HTML5, CSS3, Vue.js, React, jQuery, Jinja2, Leaflet.js, Responsive Design

Engineering Practices & Distributed Systems

Advanced

RabbitMQ, Celery, Event-Driven Architecture, Asynchronous Processing, Git, GitHub, GitLab, VS Code, Regular Expressions, Code Review, Agile Methodologies, TDD