

ALEX SANDRO NASCIMENTO SOUSA

Python Back-end Developer | Systems Analyst

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PROFESSIONAL SUMMARY

Python Back-end Developer and Systems Analyst with 6 years of experience in IT, including 4 years dedicated to software development. Specialized in building REST APIs, process automation, systems integration, and scalable application development using Python, Django, FastAPI, Docker, and relational databases. Experience deploying applications in Linux and AWS environments, as well as integrating solutions based on Generative AI.

PROFESSIONAL EXPERIENCE

Digital Systems Consultant | Python Backend Developer

OITO III | Self-employed | 01/2024 - Present

- Development of digital platforms and backend solutions using Python, Django, and Django REST Framework.
- Architecture and development of REST APIs and integrations with external services.
- Development of monitoring and intelligence platforms for identifying national and international opportunities.
- Implementation of automations for collecting, processing, and classifying information using Artificial Intelligence.
- Database modeling, deployment of applications on Linux with Docker, and process optimization.

Backend Developer (Freelancer)

Self-employed | 06/2024 - Present

- Development and maintenance of REST APIs using Django REST Framework and FastAPI.
- Process automation and development of Python scripts.
- Integration with third-party APIs.
- Deployment and maintenance of applications on Linux VPS using Docker and Nginx.

Junior Systems Analyst

TecnoPalmas | 04/2023 - 04/2024

- Development of web systems with Python, Django, and Flask.
- Creation and maintenance of RESTful APIs.
- Configuration of Docker environments, deployment support, and infrastructure management.
- Requirements gathering and database modeling.

IT Technician / Support and Maintenance

Grupo Sabin | 2011 - 2013

- Technical support, hardware maintenance, and infrastructure.
- Installation and configuration of Linux and Windows operating systems.
- Technical foundation that supported the transition to software development.

RELEVANT PROJECTS 2026

Online Donations Platform - Payment platform using Django with Stripe and Cielo integration.

Intelligent AI Monitoring System - Platform developed with Django DRF for monitoring, automatic classification, and distribution of public notices and business opportunities using OpenAI and LLMs.

Political Management Platform - Authentication, authorization, and role-based access control system using Django, React, and PostgreSQL.

TECHNICAL SKILLS

Languages	Python, Java, SQL
Frameworks	Django, Django REST Framework, FastAPI, Flask
Databases	PostgreSQL, MySQL, Oracle, SQLite
DevOps	Docker, Git, GitHub, Linux, VPS, Nginx, CI/CD, AWS EC2
Testing	Pytest, Unit and Integration Testing
Concepts	REST APIs, Systems Integration, Database Modeling, Webhooks, Backend Architecture
Languages	Portuguese (native) English (intermediate)

EDUCATION

Degree in Systems Analysis and Development - Unicesumar (2024)

Technical Course in IT Maintenance and Support - BIT Company (2009-2010)

CERTIFICATIONS

- Django Master - PycodeBR
- Integration Master - PycodeBR
- Google AI Essentials - Google
- Data Science with Python - Simplilearn
- Advanced Python - Simplilearn
- Training in Science, Technology and Innovation - Unicesumar
- Oracle Database Administration Immersion - DBAOCM