

José Hernán Varela

Senior Backend Developer

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<https://devapis.cloud/cv/en/> | <https://github.com/jhernan33> |

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PROFESSIONAL SUMMARY

Senior Backend Developer with 14 years in IT, 7 of them building APIs with Python. I work across both the backend and the infrastructure it runs on: Linux servers, containers, reverse proxy and databases. Available for remote work with teams in Latin America, the United States and Europe.

PROFESSIONAL EXPERIENCE

IT Manager - PCVARELAVENEZUELA

05/2011 - Present | Full-time

- I lead the IT department and the full technology infrastructure.
- I build internal systems in Python and Django that automate previously manual processes.
- I administer the Linux infrastructure that keeps production running.
- I introduced containerised, reproducible deployments with Docker, replacing the manual process.

Tecnologías: Python, Django, PostgreSQL, Docker, Linux, Traefik, Nginx

Backend Developer - Delzam

06/2022 - 12/2023 | Freelance, alongside PCVARELAVENEZUELA

- REST APIs with Django and Django REST Framework for a business management system.
- Service integration on top of that API.
- PostgreSQL query optimisation on the most heavily used endpoints.

Tecnologías: Django, Django REST Framework, PostgreSQL, Docker, Vue.js

Backend Developer - Zippytech Tecnología e Innovación

12/2019 - 12/2022 | Consulting, alongside PCVARELAVENEZUELA

- Microservice architecture in PHP with Laravel and Lumen.
- Third-party API integration and real-time communication over WebSockets.
- Deployment automation through CI/CD.
- JWT security and fine-grained access control.

Tecnologías: PHP, Laravel, Lumen, microservices, WebSockets, PostgreSQL, MySQL

Backend Developer - Guásimos Municipality (Local Government)

02/2020 - 05/2022 | Contract, alongside PCVARELAVENEZUELA

- Municipal platform for citizen administrative procedures.
- Geographic information systems with PostGIS.
- Administration of the servers running the platform.
- Integration with existing government systems.

Tecnologías: Python, Django, PostgreSQL, PostGIS

TECHNICAL SKILLS

Languages: Python, JavaScript (ES6+), PHP, SQL / PL-pgSQL

Backend frameworks: Django, Django REST Framework, FastAPI, Laravel, Lumen, Express.js

Frontend: Vue.js, HTML5, CSS3, dependency-free JavaScript

Databases: PostgreSQL, PostGIS, MySQL, Redis, SQL Server

Infrastructure: Docker, Docker Compose, Traefik, Nginx, Linux (Ubuntu, Debian, Fedora), Git, shell scripting

APIs and architecture: REST, JWT, WebSockets, microservices

PROJECTS

Professional portfolio and analytics backend

<https://github.com/jhernan33/portfolio-devapis>

- Dependency-free static site served by Nginx, with a self-hosted analytics service in FastAPI and PostgreSQL, behind Traefik and running on Docker Compose.
- Visitor IP addresses are never stored: only the truncated network and a salted hash.
- Authentication lives in the application rather than the proxy, so the protection ships with the code.

Tecnologías: FastAPI, PostgreSQL, Docker, Traefik, Nginx

Municipal management system

- REST API handling citizen service requests.
- Geographic data for the municipality with PostGIS.
- Administrative dashboard built with Vue.js.

Tecnologías: Django, PostgreSQL, PostGIS, Docker

Legacy system migration to microservices

- Migration from a monolith to a microservice architecture.
- Deployment automation through CI/CD.

Tecnologías: Laravel, Lumen, PostgreSQL

EDUCATION

Associate Degree in Computer Science - IUFRONT - 1998 - 2000

e-Business Developer - IUTAI - 2008 - 2009

CERTIFICATIONS

21 certifications and over 229 hours of continuous learning between 2023 and 2026, all from Platzi.

Most relevant to a backend role:

- Python Fundamentals - Platzi - 10/2025
- FastAPI - Platzi - 08/2025
- Django - Platzi - 09/2024
- PostgreSQL - Platzi - 05/2025
- Docker: Fundamentals - Platzi - 10/2025
- Introduction to Linux Server Administration - Platzi - 07/2026
- Preventive Cybersecurity - Platzi - 03/2026
- Backend with ExpressJS - Platzi - 04/2025
- Claude Code - Platzi - 01/2026

LANGUAGES

Spanish: native.

English: fluent technical reading and writing (B2). Spoken English improving (A2-B1). Comfortable with English documentation, code reviews and asynchronous written communication.