



Pablo González

COMPUTER ENGINEER · PYTHON ENGINEER

Salamanca, Castilla y León, Spain

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Summary

Hey there! I'm Pablo González, a Computer Engineer with a specialization in backend engineering and web-services development. My expertise lies in Python, particularly using Django or FastAPI. I'm a GNU/Linux user, a big advocate of Open Source Software, and passionate about improving code readability and functionality. When I'm not coding, I enjoy tending to my plants, playing sports, and helping others.

Education

USAL(University of Salamanca)

Salamanca, Spain

B.S. IN COMPUTER ENGINEERING

Sep. 2018 - Jul. 2022

- Got a 10 with Honours in the Final Degree Project: Prometheus-like system for monitoring and command execution on multiple devices from different networks.

Work Experience

Axpe Consulting S.L.

Salamanca, Spain

PYTHON ENGINEER - FULL TIME

Dec. 2022 - Present

- Full-Stack Developer with strong backend skills, skilled in refactoring and optimizing Python scripts, enhancing system performance using MongoDB or PostgreSQL, and leading backend development projects.
- Proficient in designing and implementing API-first systems using FastAPI, SQLAlchemy 2.0, and Git with Github.
- Demonstrated success in implementing new backends using FastAPI and optimizing existing applications for improved efficiency, as well as deploying systems using Docker.
- Passionate about improving code readability, maintainability, and backend functionality.

Panelais Producciones S.A.

Huerta del Tormes, Salamanca,
Spain

PYTHON ENGINEER & SYSADMIN - FULL TIME

Mar. 2022 - Dec. 2022

- Design and development of a web application based on Django with integration of multiple Microsoft SQL Server databases, which allows the internal management of Panelais, and the visualization of data in real time from the machines and continuous production lines.
- Analysis and improvement of SQL queries.
- Administration of Linux servers for the maintenance of data extraction services with MQTT, the deployment of the different web pages and the monitoring of the databases through scripting in Python.

Sídisel Electrónica S.L.

Villamayor, Salamanca, Spain

PYTHON DEVELOPER - INTERNSHIP CONTRACT

Jan. 2022 - Feb. 2022

- Gitlab for version control and incident management.
- Docker for microservice deployment and management.
- Pytest and Tox for functional testing of servers' API.
- Django integration with services like Wagtail.
- Python client interaction with microservices.
- Python/Django based microservices for transactions and basic information management.

Ecoinnotec S.L.

Carbajosa de la Sagrada,
Salamanca, Spain

SYSADMIN - INTERNSHIP CONTRACT

Jul. 2021 - Sep. 2021

- Design and implementation of an API RESTful monitoring solution for Windows and Linux based on Python/Flask.
- Script Development for Odoo ERP server deployment.
- IT Helpdesk.
- PC preparing for new workers.
- General IT troubleshooting.

Projects

Final Degree Project - Monitor

Salamanca, Spain

UNIVERSITY OF SALAMANCA

Jun. 2021 - Jul. 2022

- A **FastAPI** based agent capable of command execution, deployed on hosts that require monitoring.
- The agent sends requests to a **Django/Django REST Framework** web app that manages data and presents it.
- The web app is deployed with **Nginx** and **Uvicorn** for the Web Server, **Redis** for the background tasks and **PostgreSQL** for the database.
- Deployment of the web app is done with **Docker**.
- **Final Grade:** 10 with Honours.

Honors & Awards

NATIONAL

Dec. 2020 **Semifinalist**, II National CyberLeague

Online

Nov. 2019 **17th finalist**, I National Cyberleague

Madrid, Spain

Sep. 2019 **Participant**, 1st Regional Cybersecurity Forum

Salamanca, Spain

Oct. 2018 **1st Classified**, I National Cyberleague at USAL

Salamanca, Spain

Writing

Personal Blog

www.nonuser.es

FOUNDER & WRITER

Oct. 2019 - Present

- Write IT posts about programming, administration of Linux services and Hack The Box machine resolutions.