

Gonzalo Martín Pontnau

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Junior backend developer

Advanced Systems Engineering student skilled in Python and Go. I develop scalable APIs and applications using Django (MVT) and FastAPI, ensuring quality with pytest. I integrate relational databases (PostgreSQL) via ORM and implement RESTful APIs with JWT authentication. In Go, I designed core features of distributed operating systems on Linux VMs, leveraging concurrency (goroutines). I excel at team communication in Spanish and English (B2) and leading Scrum events.

Skills

| Backend | Key Skills | Databases |
|-------------------------------------|--|------------------------------|
| Python(Django, FastAPI, PyTest), Go | Inglés (B2), OOP, Scrum PEP 8, Git, Slack | PostgreSQL, SQLite, MySQL |
| Frontend | Data Analysis: | |
| HTML/CSS, JavaScript | Power BI, NumPy | |

Work Experience

Back-End Developer | Buenos Aires Province, Argentina • Remote (freelance)

- Built scalable RESTful APIs using Django REST Framework and FastAPI; implemented JWT authentication; designed and optimized PostgreSQL schemas with ORM
- Concurrency & Agile Practices: Developed a distributed OS simulator in Go (goroutines, channels, HTTP APIs); led Scrum sprints and maintained clear communication within cross-functional teams.

Personal Projects

Personal Finance Management System | Python(Django), ORM, Chartjs, Frontend

- Created a web application for managing personal finances. CRUD activities, user authentication, user-to-user transfers, and SQL database connectivity (PostgreSQL/SQLite) are among the features.
- AJAX and UUIDs were used to generate dynamic filters. based on the idea of modular MVT.

Distributed Operating System Simulator | Go, WebSocket, VMs, Linux

- Academic pursuit (UTN.BA). is a distributed operating system using a client-server architecture.
- The memory, CPU, kernel, and I/O modules were all constructed as independent services that interacted with one another via HTTP APIs and goroutines.

Education

Universidad Tecnológica Nacional (UTN.BA)

2022 - 2028

Systems Engineering (in progress). Strong foundation in algorithms, data structures, networks, databases, operating systems, and computer architecture. Skilled in requirements analysis (functional and non-functional), UML modeling, modular design using SOLID principles, and agile methodologies (Scrum).

San Vicente Pallotti Institute

2015 - 2021

High School Diploma with a specialization in Business Management and Administration.