Gonzalo Martín Pontnau

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Junior backend developer

Systems Engineering student with a strong focus on backend development. I design and build APIs and web applications using Python, and work with relational databases like PostgreSQL and SQLite. Currently learning Go as part of an academic project on Operating Systems. I apply agile methodologies (Scrum) and security best practices in practical projects. I've led teams, promoting collaboration and leveraging strong interpersonal skills. Actively seeking my first professional opportunity to contribute with technical expertise and a proactive mindset.

Skills

Tools:
Git, Jira, Slack

Key Skills
English (B2), OOP, Scrum
Client-Server Architecture

Databases
PostgreSQL, SQLite, MySQL

Frontend
HTML, CSS, JavaScript,

Backend
Python (Django, Flask), Go

Personal Projects

Personal Finance Management System | *Python(Django), ORM, Chartjs*, Frontend
- Developed a web app for managing personal finances. Features include user authentication, transaction CRUD, user-to-user transfers, and SQL database integration (PostgreSQL/SQLite).
- Used UUIDs and AJAX for dynamic filters. Built with a modular MVT architecture.

GymAI – Your Personal TrAIner **|** *Python (FastAPI), PostgreSQL, WebSocket, Frontend*
- AI-powered web application that generates personalized workout routines using the Google Gemini API. Includes an interactive chat via WebSockets and posture analysis tools for enhanced training feedback.

Distributed Operating System Simulator | *Go, WebSocket, VMs, Linux*
- Academic project (UTN.BA). Simulated a distributed OS using a client-server architecture. Implemented modules for Kernel, CPU, Memory, and I/O as independent services communicating through HTTP APIs and goroutines.

Education

Django - Platzi   *Feb/2025*
Covered fundamentals, models, advanced queries, views, and API development with Django REST Framework. Focused on MVT architecture and building production-ready APIs.

Universidad Tecnológica Nacional (UTN.BA)   *2022 - 2028*
Bachelor's in 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.