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	Core Competencies:	Databases
Python(Django, FastAPI, PyTest), Go	OOP, Scrum, Git, Slack, Postman	PostgreSQL, SQLite, MySQL

Frontend	Data Analysis:
HTML/CSS, JavaScript	Power BI, NumPy

Work Experience

AI Quality Analyst | Outlier AI • *Remote (freelance)*   *June 2025 - Present*

- Designed complex test scenarios and technical evaluation frameworks to audit AI-generated code (Python, Java, JS/TS), providing structured feedback to guide the LLM fine-tuning process.
- Applied specialized QA methodologies to diagnose model response failures using exact metrics, differentiating between instruction-following errors and logical/correctness defects.

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.