

# Gonzalo Martín Pontnau

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## Junior backend developer

Advanced Systems Engineering Student. I developed in Python and Go. I used Django (MVT) and FastAPI to create scalable APIs and applications. I integrated relational databases (PostgreSQL) through ORM. I developed RESTful APIs through JWT validation. In Go, I designed basic features of distributed operating systems with a Linux VM. I used concurrency with Goroutines and channels as client-server for interaction between modules through HTTP APIs. I highlight my ability to communicate with teams, generating trust and facilitating Scrum events.

## Skills

Tools:	Key Skills	Databases
Git, Slack	English (B2), OOP, Scrum PEP 8	PostgreSQL, SQLite, MySQL
Frontend	Backend	
HTML, CSS, JavaScript,	Python (Django, FastAPI), Go	

## 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.