Pablo Agustin Garrido

Backend & Automation Engineer | Python | AI

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PERFIL PROFESIONAL

Software Engineering student (UTN, coursework completed, degree in progress) with experience in backend development, process automation, and end-to-end AI solution implementation. Proficient in Python, FastAPI, PostgreSQL, and workflow orchestration with n8n. Experienced in designing data pipelines and AI agents deployed on Azure with CI/CD. Proactive and analytical professional, focused on building scalable solutions that drive business value.

EXPERIENCIA PROFESIONAL

Freelance Python Developer & Automation Engineer

September 2024 - Present

- Backend development with Python and FastAPI for scalable solutions.
- Integration of REST APIs, external services, and Large Language Models (LLMs) via Groq SDK.
- Design and implementation of data pipelines and chained AI agents.
- Workflow automation using n8n.
- Application deployment on Azure App Service with CI/CD (GitHub Actions).
- Database administration (PostgreSQL/Neon and SQL Server).

Tecnologías: Python, FastAPI, SQLAlchemy, PostgreSQL, Groq API, n8n, Azure, GitHub Actions, Docker

Functional Analyst — Pre-Sales & Support

December 2019 - July 2023

QS

- Requirements analysis and translation of business needs into viable technical solutions.
- SQL Server database administration and advanced querying.
- Process documentation and coordination with cross-functional teams.
- KPI tracking and report generation for decision-making.

Tecnologías: SQL Server, Functional Analysis, Documentation, KPIs, ERP Tango

Sales Administrator

August 2017 - December 2019

Nadisa

- Management and analysis of commercial and administrative data.
- Report generation and process tracking.
- Teamwork and problem-solving.

Tecnologías: Excel, Data Management, Reporting

PROYECTOS

Intelligent Document Processing (IDP) with AI Agents (Open Source)

Tecnologías: Python, FastAPI, Docker, PostgreSQL (JSONB), Groq API, n8n, Azure

- Designed and built an end-to-end pipeline to transform unstructured documents (PPTX, PDF, XLSX) into actionable knowledge.
- Implemented a FastAPI REST API for file ingestion and chaining AI agents (Market Analyst → Brand Analyst) using Groq/LLMs.
- Persisted structured data in PostgreSQL using JSONB, optimizing auditing and search capabilities.
- Automated visual orchestration with n8n to generate dashboards with insights ready for consultants.
- Deployed the solution on Azure and containerized it with Docker for portability and scalability.

Invoice Automation with AI, FastAPI & n8n (Open Source)

Tecnologías: Python, FastAPI, Pydantic, Groq SDK, PostgreSQL, SQLAlchemy, n8n, Azure, GitHub Actions

- Developed a Python pipeline to process invoices (PDF/TXT) using AI, extracting key data via LLMs.
- Transactional data persistence in PostgreSQL using SQLAlchemy.
- Exposed data through a REST API documented with Swagger (OpenAPI).
- Production deployment on Azure App Service and CI/CD configuration.

EDUCACIÓN

University Technician in Programming — UTN. Coursework completed, degree in progress. GPA: 8.46/10.

CERTIFICACIONES Y CURSOS

- Cisco CCNA — Networking fundamentals.
- IBM SkillsBuild — Cybersecurity fundamentals.
- .NET Training.
- Active training in Generative AI, LLMs, and automation.

HABILIDADES TÉCNICAS

Backend Development: Python, FastAPI, Pydantic, SQLAlchemy, REST APIs, PostgreSQL, SQL Server, Business Logic, ORM.

AI & Automation: LLM Integration (Groq SDK), Chained AI Agents, Prompt Engineering, Workflow Automation with n8n, daily use of ChatGPT, Claude, DeepSeek, and Copilot.

Cloud & DevOps: Azure App Service, GitHub Actions (CI/CD), Docker, Git, Application Deployment, Swagger/OpenAPI Documentation.

Soft Skills: Problem-solving, autonomous learning, logical thinking, effective communication, teamwork, results-oriented.

IDIOMAS

Spanish (Native). English: B1 (Technical reading and written comprehension; university training at UTN).