Guido Delponte

Python Backend Developer (FastAPI) | Network & NOC Automation
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Summary

I've been building software since 2018, and my focus is automation: removing manual work and getting systems to talk to each other. Since 2026 I've been building and running Python tools for Ciena's NOC, on ScienceLogic SL1 and Ciena 6500, SAOS and Waveserver equipment.
Before that, I built 8 FastAPI services and integrations with Argentina's tax authority and insurance regulator at an insurer. I started in technical support and networking, so I can take a project from start to finish: work out what's needed, build it and get it running.

Work Experience

NOC Automation Developer
Ciena · April 2026 – Present
- Built from scratch and maintain Python tools to operate fleets of Ciena optical and Ethernet devices in parallel (TL1, SSH, SNMPv3), with automated tests.
- Automated customer device onboarding into ScienceLogic SL1: rebuilt and extended the team's scripts into a Python CLI with resumable batches, used in real onboardings.
- Built a Python command for bulk availability changes in SL1, with a pre-change plan, canary run and revert commands.

Python Developer & Systems Analyst
Noble Seguros · December 2020 – April 2026
- Built policy delivery automation: SQL Server reads, missing-PDF checks, Google Cloud Storage sync and email, with async workers, dry-run and a manual review queue.
- Built 8 FastAPI services with Docker, adding Redis and JWT auth where needed: identity with LDAP, multi-provider email, storage, helpdesk and cancellations.
- Built the Django app that records investment operations and submits them to the SSN regulator's API, with Excel export and deadline alerts.

Software Developer & Technology Consultant
Self-employed · December 2018 – Present
Backend and app development for clients with FastAPI, React and Next.js, including an installment sales platform with 230 tests, and WordPress sites.

IT Support & Administration
Laboratorio Dr. Enrique Iovine · April 2015 – November 2020
User support and management of the lab's computers and network.

Projects

- fastapi-google-drive-api · FastAPI microservice with a REST API over Google Drive to upload, search, download and organize files, with OAuth2 or service account access, JWT validation, a web dashboard and Docker. · https://github.com/GDelpo/fastapi-google-drive-api
- observability-stack · Docker Compose configuration of Loki, Promtail and Grafana that centralizes container logs, with a provisioned dashboard and email alerts. · https://github.com/GDelpo/observability-stack

Skills

Backend: Python, FastAPI, Pydantic, SQLAlchemy, Alembic, SQLModel, Django, ARQ, Laravel, PHP
Network automation and monitoring: ScienceLogic SL1, SNMPv3, SSH, TL1, Paramiko, PowerFlow, Ciena 6500, Ciena SAOS, Ciena Waveserver, Cisco IOS, Grafana, Loki
Frontend: React, Next.js, TypeScript, JavaScript, Tailwind CSS, HTML5, CSS3, WordPress, Cloudflare Workers
Data and databases: SQL, PostgreSQL, SQL Server, Redis, Google Cloud Storage, pandas
Development tools: Docker, pytest, GitHub Actions, Git, GitHub, Playwright
Documentation and project management: MkDocs, Docusaurus, Jira

Education

- Software Development · ISTEA · 2025 – 2027 · In progress
- Systems Analyst · ORT Argentina · 2019 – 2022

Certifications

- Skylar One Professional Certification (formerly SL1) · ScienceLogic · June 2026
- Professional Certificate in Artificial Intelligence · ITBA Universidad · 2024
- FastAPI: The Complete Course (Beginner + Advanced) · Udemy
- Python University: From Zero to Expert · Udemy

Languages

Spanish · Native | English · Intermediate