



LUCAS MILANEZ

Python Backend Developer · Flask · FastAPI · REST APIs · SQL

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SUMMARY

Python backend developer with 2+ years of hands-on experience building internal web applications, REST APIs and data pipelines in production environments. Delivered Flask and FastAPI solutions used daily by non-technical teams in manufacturing and government sectors. Currently pursuing a B.S. in Software Engineering and expanding into modern deployment workflows (Docker, Vercel, CI/CD).

TECHNICAL SKILLS

Backend	Python, Flask, FastAPI, Django, REST API design, Pydantic, SQLAlchemy
Database	SQL (PostgreSQL, SQLite, MySQL), data modeling, query optimization
DevOps & Tools	Git, GitHub, Docker, Vercel, Postman, Linux/Bash, VS Code, GitHub Actions
Testing	pytest, unittest, API testing with Postman
Data & BI	Pandas, NumPy, Power BI, Tableau
Frontend	HTML5, CSS3, JavaScript, Next.js (in progress)

PROFESSIONAL EXPERIENCE

Python Web Developer — AMF – Safety Shoes

Guimarães, Portugal · Jul 2023 – May 2025

- Developed and maintained **3+ internal web applications** using Flask and FastAPI, accessed daily by non-technical staff across production and operations teams.
- Designed and implemented **REST APIs** with Python backend logic, integrating with SQL databases for request tracking and incident reporting.
- Built **KPI dashboards** (Power BI + Python + SQL) consolidating production and commercial data for leadership decision-making.
- Modeled relational databases in SQL to support internal business workflows, reducing manual reporting effort.

Data Analyst — INCRA-RJ

Rio de Janeiro, Brazil · May 2021 – Mar 2023

- Built **ETL pipelines** in Python (Pandas, NumPy) and SQL to consolidate operational data from multiple internal sources into a single source of truth for regional reporting.
- Developed interactive dashboards in **Power BI and Tableau**, standardizing how KPIs were communicated across regional teams and leadership.
- Automated recurring reporting workflows with reusable Python scripts, **cutting manual data preparation time** and freeing analyst capacity for higher-value analysis.
- Partnered with **non-technical stakeholders** to translate business requirements into data models and SQL queries, ensuring reports answered the right operational questions.

EDUCATION

B.S. in Software Engineering — UNOPAR

2024 – Present

CERTIFICATIONS

- FastAPI for Web APIs** — Udemy (2025)
- Web Development in Python: Flask & Django** — Estácio de Sá (2024)
- Next.js** — Udemy (2025, in progress)

LANGUAGES

Portuguese (Native) · English (B1 – Professional working proficiency) · French (A2)