

JEFERSON PETER

Python Software Engineer

Brazil | Open to international remote opportunities and relocation to Europe



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PROFESSIONAL SUMMARY

Python Software Engineer with professional experience since 2020 building backend systems, APIs, enterprise integrations, automation, and data-intensive applications. Experienced with Python production systems, FastAPI, Process Mining, large-scale event processing, background workloads, and AWS-based delivery. Open to international remote opportunities and relocation to Europe.

PROFESSIONAL EXPERIENCE

Software Engineer | UpFlux / Process Intelligence

Jan 2022 - Present | Remote

- Co-designed and continue to evolve the backend architecture of an AI-powered procurement agent, defining API, worker, and service boundaries while driving architectural improvements, performance optimization, and new backend capabilities.
- Re-architected resource-intensive workloads from synchronous API requests to background workers, improving resource isolation and service availability.
- Designed and built an internal Python ETL framework for Process Mining applications, replacing Pandas-based workflows with Polars and applying algorithmic optimization, lazy evaluation, and parallel processing to support workloads with tens of millions of events.
- Built reusable integrations for SAP, TOTVS/Datasul, and Protheus, applying retries, rate limiting, and circuit breakers, while diagnosing production reliability issues through logs and runtime metrics.

Core stack: Python | FastAPI | PostgreSQL | Polars | Pandas | Parquet | Redis | AWS | Docker

Junior Developer | RapidSoft TI

Aug 2020 - Dec 2021 | Jaragua do Sul, Brazil | On-site

- Maintained and developed features for a textile ERP system using Java and React.js.
- Implemented API integrations between internal systems and contributed to Next.js dashboards.

TECHNICAL SKILLS

Backend: Python, FastAPI, REST APIs

Data Processing: Polars, Pandas, Parquet, Process Mining

Databases & Caching: PostgreSQL, Redis

Cloud & Delivery: AWS ECS, ECR, S3, Lambda, Docker, CI/CD

Integrations & Reliability: Enterprise APIs/ERPs, retries, rate limiting, circuit breakers

Additional Web: Django, Django REST Framework, Next.js - CodeCraftPython and personal work

SELECTED PROJECTS / OPEN SOURCE

CloakData - Polars-based data-masking library with configuration validation, conditional transformations, documented methods, and controlled extension boundaries.

Filemindr - Declarative Python CLI for file automation with dry-run, explain, validation, conflict policies, run history, and explicitly limited undo.

CodeCraftPython - Django/DRF and Next.js publishing product for Python and software-engineering writing outside my UpFlux work.

EDUCATION

MBA in Project Management

Centro Universitário Católica de Santa Catarina | Apr 2023 - May 2025

Bachelor's Degree in Software Engineering

Centro Universitário Católica de Santa Catarina | 2019 - 2022

LANGUAGES

Portuguese - Native | English - Professional working proficiency | German - Beginner, currently learning