Pierre Nicoulaud

Python Developer — Data Cleaning, Automation & Bilingual Delivery (Freelance)

Compiègne, France (remote only) · pierre.nicoulaud@gmail.com · French (native), English (fluent)

PROFILE

Applied Mathematics student at École Polytechnique (X2024 cohort) with around ten years of hands-on Python practice. I deliver small, clearly scoped remote tasks: cleaned and validated data files, reproducible Python scripts, and structured documents — in French or English. Every engagement starts with a written scope, a fixed price, a deadline and explicit acceptance criteria.

SERVICES

- **Data cleaning & validation** — deduplication, format normalization (dates, phone numbers, names), rule-based flagging, and a written cleaning log for every rejected or ambiguous record.
- **Python scripting & automation** — small, focused scripts (pandas, CSV/Excel processing, file conversions), delivered with tests, comments and rerun instructions.
- **Data extraction & APIs** — scraping via public APIs with polite rate limits; imports, exports and transformations; Flask, FastAPI and Django prototypes after technical scoping.
- **Documents & bilingual delivery** — structured reports, LaTeX formatting, presentations; work delivered in French or English, with translation between the two when needed.

TECHNICAL SKILLS

- **Python** — around ten years of personal practice; pandas, data pipelines, automated testing.
- **Web frameworks** — Flask, FastAPI, Django.
- **Databases** — PostgreSQL, MySQL.
- **Documents** — LaTeX, Excel/CSV tooling, presentation design.

SELECTED WORK SAMPLE (SYNTHETIC DEMONSTRATION, NOT A CLIENT REFERENCE)

Reproducible CSV cleaning pipeline in Python

- Processed a 517-row orders file with explicit validation rules: 500 rows accepted, 17 quarantined with reasons documented.
- Built 14 automated tests covering duplicates, date parsing and missing values; code runs locally with no external service.
- Delivered clean outputs, a separate review log and full rerun instructions.

EXPERIENCE

Berkshire Hathaway Energy — Iowa, United States
Data Science internship (second-year engineering internship), summer 2026.

EDUCATION

École Polytechnique — Palaiseau, France
X2024 cohort, third year, Applied Mathematics — degree in progress.

Lycée Sainte-Geneviève — Versailles, France
Scientific preparatory classes (CPGE) before entering École Polytechnique.

WORKING TERMS

Short remote assignments at a fixed price agreed up front. Feasibility confirmed after reviewing the requirements and the data authorized for use. Confidentiality respected; client data processed only within the agreed scope and never shared.