LUIS ALVARO PIMENTEL TACURI

Junior Python Developer | Web Applications, Web Scraping & Data Automation

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GitHub: github.com/Gokublackssj

PROFESSIONAL SUMMARY

First-year Computer Engineering student. Builds web applications with FastAPI, PostgreSQL and Next.js that validate data before it is stored, and Playwright scrapers that export clean Excel and CSV files.

TECHNICAL SKILLS

Focus areas: Data import and validation · Web scraping · Excel/CSV exports · REST APIs · Automated testing

Core tools: Python, Playwright, openpyxl, pytest

Also used in projects: FastAPI, Pydantic, SQLAlchemy, PostgreSQL, Next.js, React, TypeScript, Alembic, Docker Compose, Git, GitHub Actions, Ruff

SELECTED PROJECTS

QuoteFlow — Quote Import and Review Web App ***Personal project, runs locally***

Repository: github.com/Gokublackssj/quoteflow

- Built a FastAPI and PostgreSQL application that imports quotes from CSV, Excel and PDF files, parses each file in an isolated process with size and time limits, and flags invalid rows and duplicates.
- Designed a review step in Next.js and TypeScript where users accept, exclude or correct rows; nothing is saved until they confirm.
- Implemented cookie-based sessions with CSRF protection, Argon2 password hashing, login rate limiting and an audit log with pseudonymized emails; tested with 512 backend (pytest) and 46 frontend tests.
- Added an optional n8n file-intake endpoint, disabled by default; the sample workflow stays inactive.

LeadFlow — Lead Capture Form and CRM ***Personal project, runs locally***

Repository: github.com/Gokublackssj/LeadFlow

- Developed a web application that captures leads from a form, stores them in PostgreSQL and tracks each lead's status, follow-up notes and history in a CRM view.
- Built a REST API with FastAPI, Pydantic and SQLAlchemy that ignores repeated submissions (idempotent event IDs) and duplicate emails per source, with paginated search and status filters.
- Built the Next.js and TypeScript frontend; tested the backend with pytest (148 tests) and the interface with Playwright end-to-end tests (17).

Book Data Extractor Pro — Python Web Scraper ***Personal project***

Repository: github.com/Gokublackssj/book-data-extractor-pro

- Built a Playwright scraper for a paginated practice catalog (books.toscrape.com) that exports title, price, availability and URL to Excel (openpyxl) and CSV; 20 books by default, adjustable with --limit.
- Parsed prices with Decimal, removed duplicates by URL and flagged missing fields instead of dropping rows; added offline pytest unit tests that run on GitHub Actions.

EDUCATION

Universidad Autónoma Tomás Frías (UATF) — Potosí, Bolivia ***2026 – Present***

Computer Engineering (Ingeniería en Informática) · First-year undergraduate student

LANGUAGES

Spanish: Native | **English:** Basic