

Vincent Gregory C. Aboy

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Data Operations & Automation Specialist | Data Specialist / Catalog Taxonomist | Python +
Flask Internal Tools & AI Co-pilot

Professional Summary

Detail-oriented Data Specialist / Catalog Taxonomist with strong experience cleaning, enriching, and standardizing merchant product data across multi-vertical catalogs (Alcohol, CnG, Grocery, Home, Sports, Clothing, Beauty, CBD/THC, Electronics). Skilled in taxonomy mapping, brand logic, size/UOM normalization, and applying enterprise style guides.

Has hands-on, practical experience using Python, Flask, SQL, and OpenAI API to build internal tools that support Data Specialist workflows (validation, comparison, and categorization). Designs the workflow and data rules first, then uses AI as a coding co-pilot to help write and refactor Python/Flask code, deploy it on a VPS, and keep tools stable for Data Specialist teammates.

Core Competencies

Product Taxonomy & Classification; Item Name Cleaning & Attribute Extraction; Brand / Suggested Brand / Parent Brand Logic; UOM Conversion, Extended Sizing, Weighted Items; Google & UPC Verification; Exclusion Rules & Compliance Review; Python Scripting & Automation; Flask Web Apps (foundational level); SQL / MySQL Data Handling; Excel & Google Sheets Automation.

Technical Skills

Languages: Python (scripting & workflow automation), SQL, HTML/CSS, basic JavaScript

Frameworks: Flask (small internal tools), Bootstrap, Jinja2

APIs & Tools: Google Sheets API, OpenAI API (prompted JSON workflows, AI as coding co-pilot), OAuth 2.0, REST/JSON, Postman

Database: MySQL (queries, simple schema design, basic indexing)

Data & Productivity: Data Cleaning, Taxonomy Classification, UOM Conversion, Advanced Excel (VLOOKUP, Data Validation, Macros)

Hosting & Infra: Linux CLI, Hostinger VPS, Gunicorn, Nginx (deployment setups)

Collaboration: VS Code

Selected Projects

Brand Path Suite – Chrome · EXE · Web – End-to-end brand normalization toolkit that lets data specialists search, resolve, and reuse brand paths across large product catalogs. Includes a Chrome extension, offline desktop EXE, and a web version used daily on live production work.

Personal Dashboard – DS Productivity & QA Checker (Flask Web App) – Batch-processing dashboard that reads DS and QA task logs from Google Sheets/Excel, compares outputs, and surfaces mismatches in structured tables with KPIs, error donuts, and invalid-row summaries.

AI Product Categorizer – Alcohol, CNG & CBD – Flask tool that sends product text to OpenAI models via API and applies rule-based post-processing to standardize brand, item name, size/UOM, container, pack, flavor, and category paths for Alcohol, CnG, CBD, and related items.

Google Sheets Automation Pipeline – Python and Google Sheets API pipeline to download, validate, and preprocess task sheets, then produce error-tagged outputs and audit logs for reviewers.

Work Experience

Woflow – Retail Data Operations (Remote)

Data Specialist / Catalog Taxonomist | Jan 2024 – Present

- Clean, enrich, and standardize merchant product data across 20+ catalogs following the enterprise style guide.
- Apply strict taxonomy mapping (L1–L4 PCP) and brand logic for accurate product classification.
- Extract and normalize Brand, Suggested Brand, Parent Brand, Item Name, Size/UOM, Flavor, Variant, Container, Age, Gender, Dietary Tags, and more.
- Resolve missing/conflicting data using UPC search, Google verification, extended sizing rules, and weighted-item logic.
- Apply exclusion rules and perform data quality checks to ensure accuracy, consistency, and compliance.

THOR Group – Remote

Data Management Analyst | Sep 2014 – Jan 2024

- Led data acquisition from multiple platforms to build structured databases of healthcare leads.
- Helped design email workflows and backend processes, contributing to higher campaign engagement (~30%).

- Evaluated and optimized software tools, helping reduce operational costs (~15%).
- Authored SOPs and documentation to support onboarding and process standardization.

Kinden Phils. Corporation – Makati, Philippines

IT Manager | Apr 2005 – Mar 2014

- Managed IT infrastructure, servers, databases, security systems, backups, and networks.
- Built and maintained BOQ databases to support Electrical & Mechanical project costing and reporting.
- Oversaw CCTV, biometrics, and GPS systems; implemented preventive maintenance schedules.

Kenway Courier Services – Manila, Philippines

Operations Coordinator | Aug 2002 – Dec 2004

- Generated operational and billing reports for major banking clients.
- Managed client communications, escalations, and delivery status tracking.
- Improved workflows for delivery receipt and RTS (Return to Sender) tracking.

Education

AMA Computer Learning Center – Manila

Computer System Design & Programming

- Top Student & Best Programmer Award