

# VINCENT SAM NGOBEH

London, UK | 07510 735019 | [vincentngobeh@gmail.com](mailto:vincentngobeh@gmail.com) | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

UK Settled Status/ILR – Full right to work, no sponsorship required

## PROFILE

---

Recent Computer Science graduate with hands-on experience building production-deployed backend applications, data pipelines, and generative AI tools. Contributed to major open-source projects with 3.7k–10k+ stars. Skilled in **Python**, **Django**, **SQL**, **dbt**, **Airflow**, and test-driven development. Languages: English (Fluent), Greek (Native).

## TECHNICAL SKILLS

---

**Languages:** Python, JavaScript, TypeScript, SQL

**Backend:** Django, Django REST Framework, FastAPI, PostgreSQL, Redis, Celery

**Data Engineering:** dbt, Apache Airflow, Apache Kafka, DuckDB, Dimensional Modeling

**AI/ML:** Claude API, OpenAI API (DALL-E, GPT), Prompt Engineering

**Tools & Testing:** Git, Docker, pytest, Render, Railway, Linux

## OPEN SOURCE CONTRIBUTIONS

---

**DefectDojo — Vulnerability Management Platform (3.7k+ ★) [PR #13805](#)** *Merged | Dec 2025*

- Resolved a critical performance bottleneck by implementing lazy loading with **Python's** `@cached_property` decorator to defer expensive **PostgreSQL** COUNT queries, reducing edit-finding load time from 50+ seconds to under 2 seconds on systems with 100k+ findings. Passed 150 CI checks and merged into release v2.54.0.

**Django Ninja — Fast REST Framework (8.8k+ ★) [PR #1614](#)** *Merged | Dec 2025*

- Fixed an optional query parameter validation bug in **Pydantic v2** integration by implementing automatic `Optional[T]` wrapping in **Python** and adding **pytest** regression tests, ensuring correct API behaviour across the full 667-test suite.

**django CMS — Enterprise Content Management (10k+ ★) [PR #8418](#), [#8420](#)** *Merged | Dec 2025*

- Eliminated a **Django** `TemplateSyntaxError` crash by adding **Python** exception handling in `_scan_placeholders()` and writing regression tests for page tree copying with apphooks. Iterated through multiple code reviews before merge.

## PROJECTS

---

**BudgetBox Analytics Pipeline — Data Engineering Platform [GitHub](#)** *Jan 2026*

- Built an end-to-end ELT pipeline orchestrated by **Apache Airflow**, ingesting financial transactions via batch REST API and real-time **Apache Kafka** streaming into **DuckDB**, transforming data through 7 **dbt** SQL models into a Kimball star schema with 3 conformed dimensions, containerised across 6 **Docker** services.
- Enforced data quality with 81 automated tests (34 **pytest** unit tests, 47 **dbt** schema tests) integrated as an **Airflow** pipeline gate, and delivered a Streamlit dashboard with 7 Plotly visualizations for multi-currency GBP/USD/EUR spending analytics.

**AI Social Market — GenAI Marketing Platform [Live Demo](#) | [GitHub](#)** *Jan 2026*

- Built a full-stack GenAI marketing platform generating British English social media copy (**Claude API**) and promotional images (**DALL-E API**) for UK small businesses. Developed **React/TypeScript** frontend with multi-step campaign forms and **FastAPI** backend with async **PostgreSQL** via **SQLAlchemy**, implementing bring-your-own-keys auth with rate limiting and engineered prompts for consistent output across five platforms (Instagram, Facebook, LinkedIn, X, TikTok).

**BudgetBox API — Personal Finance REST API [Live Demo](#) | [GitHub](#)** *Aug – Sept 2025*

- Designed and implemented 48 **Django REST Framework** endpoints with **PostgreSQL** for multi-account management, token-based authentication, and **Redis** response caching. Wrote 1,015 lines of **pytest** tests following **TDD**, delivering multi-currency support (GBP, USD, EUR), smart budget recommendations, and atomic account transfers.

## EDUCATION

---

**BSc Computer Science (2:1) — City St George's, University of London** *Sept 2022 – June 2025*