

Bright Uzosike

Software Engineer · Python, APIs and ML systems · Manchester, UK · hello@brightuzosike.dev
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SUMMARY

Engineer who scopes, builds and ships working software from start to finish. I build typed REST APIs in FastAPI, front ends in React and Streamlit, containerised services and data pipelines. I write tests that pin behaviour and document decisions so others can reproduce them. Evaluating AI output for frontier model training has taught me to review other people's work critically.

EXPERIENCE

Research Data Scientist · Rebel Hive May 2026 to present

- Sole data scientist on a live client project, taking an ambiguous brief to an NLP diagnostic tool now in commercial use by the client.
- Shipped a single-command pipeline with a pinned environment and fixed seeds, served through FastAPI and Streamlit, with a replication guide and a forward data contract.
- Integrated the Claude API behind a constrained interface with a rule-based fallback, so the tool keeps working when the model is unavailable.

AI Data Specialist (RLHF & SFT) · Mercor Aug 2026 to present

- Score and rank 2 to 8 candidate model outputs per prompt against multi-axis rubrics, writing auditable rationales that feed reward-model training.
- Flag reward-hacking failures where polish hides substance, such as fabricated tables, unsupported claims and arithmetic errors.
- Build Azure Data Factory pipelines for streaming recommendation systems, and Informatica DEI mappings, to per-task SLAs.

AI Training Contributor (SFT & RLHF) · Outlier Sep 2025 to present

- Passed the Generalist SFT and RLHF screening. Evaluate model outputs for accuracy, instruction-following and safety, writing structured feedback used in retraining.

Data Science Consultant (internship) · Amdari Jan 2025 to Jun 2026

- Delivered end-to-end ML engagements for several clients, covering scoping, EDA, feature engineering, modelling, evaluation (precision, recall, F1, AUC-ROC) and stakeholder reporting.
- Built ETL/ELT pipelines in Azure Data Factory, and agentic AI and RAG automations on Microsoft Power Platform.

HR Data Analyst to Branch Director · AIESEC Nigeria & UK

Apr 2022 to Jul 2025

- Rose from Talent Manager and HR Data Analyst to Branch Director, leading distributed teams of 50+ members, then led the HR and organisational development team at AIESEC UK.
- As Branch Director, led AIESEC in Enugu to the top spot in operations out of 13 branches in Nigeria in July 2024.

Business Intelligence Analyst · TRACKER.NG Jan 2023 to Aug 2023

- Added validation logic that raised data integrity by 30% and halved ad hoc correction requests.
- Liaised between business development, operations and IT, cutting project delivery timelines by 20%.

EDUCATION

MSc Data Science, Distinction

University of Salford · 2025 to 2026

Dissertation on an NLP diagnostic of organisational language in further education, delivered as a live client project.

BEng Electronic Engineering

University of Nigeria, Nsukka · 2018 to 2024

Second Class Upper, GPA 4.45/5.00.

SKILLS

Languages: Python, SQL (T-SQL, PostgreSQL, BigQuery, Spark SQL), R, JavaScript, C, Bash

Backend and APIs: FastAPI, Flask, REST design, Pydantic validation, SQLAlchemy, rate limiting, pytest

Frontend: React with Next.js and Vite, Streamlit, HTML and CSS

Data and databases: SQL Server schema design, PostgreSQL, MySQL, BigQuery, pandas

Shipping: Docker, Docker Compose, Git and GitHub, CI/CD, Linux, Render, MLflow

LLM engineering: Claude API, schema-constrained outputs, retries with backoff, evaluation harnesses

CERTIFICATES

Google Data Analytics Professional Certificate (2022)

Share Data Through the Art of Visualization, Google (2022)

ALX Data Analytics Certificate (2025)

LANGUAGES

English (native or bilingual), Spanish (elementary)

Software Engineering Intern · ALX Africa

May 2022 to Jul 2023

- Completed a 12-month software engineering programme, building full-stack Python and JavaScript applications on Linux.
- Built a Flask REST API with SQLAlchemy and MySQL, and C programs including a Unix shell, with Git and CI-style workflows throughout.

Data Analyst Intern · Trainiton Analytics

Oct 2020 to Apr 2022

- Automated repetitive data processing in Python, and co-led analyst training with 85% retention over the final six months.

SELECTED PROJECTS

AlloyTower AVM

8.0% MAPE with an assessment, 44.9% without (5-fold CV). Every estimate is explained with SHAP and served by a five-endpoint FastAPI service in Docker that redeploys on every push.

VoyageRail fare desk

Fare model that quotes from what a booking desk knows at quote time and explains every price with SHAP. Gradient boosting reaches R^2 0.90 against a 0.71 linear baseline.

Demo API for this site

FastAPI service behind both Lab consoles, with request IDs, latency headers, per-visitor rate limits, pinned dependencies and 56 tests. One test checks it against the original live API.

LLM Feedback Analyzer

Schema-validated Claude output with retries, backoff and a safe fallback. 13 of 15 correct on a hand-labelled gold set for sentiment and churn risk.

Online banking database

A 9-table 3NF SQL Server schema with constraints, salted password hashes, stored procedures, a view and triggers.