

# Michael Tunwashe

Data & Systems Engineer | Founder, LinuxDV

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## Professional Summary

Systems-oriented Data Engineer focused on the industrialization of data science. Specialized in building reliable ETL pipelines, optimizing SQL-based systems, and developing automated evaluation frameworks for LLMs. Strong mathematical foundation in probability and statistics.

## Core Competencies

- Data Engineering: ETL/ELT, dbt, SQLAlchemy, BigQuery, DuckDB.
- Systems & Reliability: Linux (Fedora/RHEL), Docker, Infrastructure as Code, Automation.
- Systems Finance: MQL5 (MT5), Statistical Backtesting, Liquidity Analysis.
- AI Operations: RLHF, LLM Evaluation, Structured Quality Auditing.

## Experience

### Founder & Lead, LinuxDV

April 2026 – Present

- Architecting open-source, privacy-first AI tools focused on quality of life and data integrity.
- Leading the development of ClauseZero, an AI legal auditor using Rust and a custom LLM.

### LLM Evaluator, Turing

Dec 2026 – Feb 2026

- Designing structured rubrics for high-fidelity LLM output evaluation.
- Performing systematic error analysis to drive training data improvements for global AI labs.

### Data Analyst Intern, HNG Tech

Aug 2025 – Nov 2025

- Automated recurring reporting workflows using Python and SQL.
- Built Metabase dashboards and implemented data quality pipelines to eliminate reporting anomalies.

## Projects

### WXATA – WhatsApp Automation Platform

April 2026 – Present

High-performance automation framework (Bun/TypeScript) with Baileys integration, live web dashboard (React/Firebase), WebSocket communication, and permission-based script execution. Frontend deployed on Vercel; demonstrates full-stack capabilities with real-time systems.

### Brazilian Retail Intelligence System (BRIS)

October 2025 – January 2026

End-to-end data platform: dual-environment ETL pipeline (SQLAlchemy + Supabase), synthetic order generation (Markov chains for NLP), FastAPI backend, PostgreSQL database, React/Vite/Tailwind frontend. Showcases production-grade data engineering, Docker containerization, and analytics design.

### Centaur Trading API

February 2026 – Present

Market intelligence platform with API-key authentication, owner-only security model, strategy backtesting engine, ML model lifecycle (train/evaluate/predict), and structured data download. Demonstrates API design, security, financial domain expertise, and complex system architecture.

## Education

### B.Sc. Mathematics, University of Lagos

2024 – 2028

- Focus: Linear Algebra, Probability, Statistics, and Calculus.

## Technical Skills

- Languages: Python (Pandas, NumPy), SQL (PostgreSQL, BigQuery), Bash, MQL5 (learning), Mandarin.
- Tools: Docker, Linux (Fedora), Git, SQLAlchemy, Metabase, Prometheus.
- Domains: SRE, Data Engineering, LLM Evaluation, Algorithmic Trading.