

# Othniel Obasi

## AI Strategist | ML/LLM Product Architect | NLP & Fraud-Systems Expert

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- **6+ years** delivering ML and LLM products across fintech, SaaS, and utilities.
- Fraud-detection & LLM-safety systems cut loss by **25 %** and escalations by **30 %**.
- Bridge product, engineering, and research to ship scalable, explainable AI solutions.
- Proven record building fraud stacks, XAI pipelines, and safety-hardened LLM apps.

## Key Skills & Tools

Python

FastAPI

PyTorch

scikit-learn

LSTM

Neo4j

OpenTelemetry

SHAP/LIME/DiCE

RAG

RLHF

Kafka

Pinecone

Docker

GCP

GitHub Actions

Explainable AI

Fraud Detection

LLM Safety

Cross-functional Leadership

## Experience

### AI Strategist - *Bezaleel Solutions*

2023 – Present

Lead AI system design, LLM safety, and observability for mission-critical SaaS products.

- **NL→SQL Analyst Agent:** 95 % parsing / **100 % execution**; LLM-judge 92 % clarity; full OpenTelemetry traces in Arize Phoenix.
- **Billing Bot Hardening:** Multi-tier safety rails blocked **85 %** of 50+ red-team attacks, maintained 100 % citation compliance, and cut escalations by **30 %**.

### Technical Product Manager - ML - *Creditville MFBank*

2022 – 2023

Drove ML fraud, risk, and customer-intelligence products in a mobile-first finance stack.

- Launched three ML micro-services—fraud detection, sentiment analytics, auto-loan decisioning—achieving double-digit efficiency gains.
- Explainability engine (LIME, DiCE) reduced analyst triage time by **40 %**.
- NLP insights API (Word2Vec, LDA, BERT) reduced manual review by **50 %**.
- Real-time risk-feature engine lowered loan defaults by **20 %**.

### Lead, AI & Analytics - *PHED (Power Holding Company)*

Pioneered PHED's first AI/ML programmes to modernise grid integrity and forecasting.

2020 – 2022

- Real-time energy-fraud model reduced undetected loss by **25 %**.
- Cloud forecasting (95 % CI) accelerated budgeting cycles by two weeks.
- Python & Power Automate workflows cut manual effort by **30 %**.
- Executive dashboards (Tableau / Power BI) process **2 M+** records per month.

### Senior Business Analyst & Product Owner - *PHED*

2016 – 2020

Led Lean redesign and digital-transformation pilots to prepare for enterprise AI adoption.

- Mapped **80+** processes, reducing incidents by **30 %**.
- Co-ordinated IoT pilots across 42 units; co-designed PoC dashboards.
- Founded a Change-Management committee training **200+** staff.

## Additional Roles (Part-Time)

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### Founding Technical Lead - AI/ML - *Tech Genius Solutions*

Stand-up real-time fraud & MLOps infrastructure for an early-stage SaaS platform. 2024 – Present

- Fraud pipeline (Kafka → PyTorch → Neo4j) boosted ring-recall by **28 %**.
- Auto-retraining loops reduced missed fraud by **17 %**; adaptive MFA cut false positives by **35 %**.

### LLM Training & Evaluation Specialist - *Outlier AI & Invisible Technologies*

Jan 2024 – Jan 2025 | Remote

Executed high-throughput LLM evaluation and RLHF for two San-Francisco AI labs.

- Flagged **150+** bias / factuality / safety issues.
- Created **300+** RLHF prompt-completion pairs, improving win rate by **11 %**.

## Selected Projects - POC / Research

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### Fraud Detection via Logic Tensor Networks

- *Python • PyTorch • LTN • scikit-learn*
- Achieved **93.1 %** MLP accuracy (5-fold CV); logic consistency 0.94; optimised 500-epoch runs.

### LexSynergy AI - Legal Decision System

- *Legal-BERT • LSTM • Neo4j • SHAP • RAG • FastAPI*
- **90 %** case-outcome accuracy; SHAP/LIME explainability to statute level.

### Distilled & Quantised ML Service (MNIST)

- *PyTorch • FastAPI • MLflow • W&B • PostgreSQL • Docker • GCP • GitHub Actions*
- 98 % accuracy with < 100 ms latency; zero-click CI/CD.

## Education & Certifications

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- **M.Sc. Financial Engineering** – WorldQuant University (US)
- **M.Sc. Applied AI & Data Science (Distinction)** – Southampton Solent University (UK)
- Neo4j Certified Professional
- Applied Data Science – Scientific Computing & Python (Honors) – WorldQuant University

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