Othniel Obasi

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

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- 6+ yrs delivering end-to-end ML & LLM products across fintech, SaaS, utilities.
- Combat-tested fraud & safety systems: **25 %+** loss reduction, **30 %** fewer escalations.
- Bridges strategy ↔ research ↔ engineering; proven at C-suite & hands-on code levels.

Professional Summary

AI Strategist and Technical Product Specialist with 6+ years of experience delivering ML and LLM solutions across fintech, SaaS, and utility sectors. Proven track record in building and deploying fraud detection systems, explainable AI pipelines, and safety-hardened LLM applications. Adept at bridging product, engineering, and research with a focus on impact, clarity, and long-term scalability.

Key Skills & Tools

Python   FastAPI   PyTorch   scikit-learn   LSTM   Neo4j   OpenTelemetry

SHAP/LIME/DiCE   RAG   RLHF   Kafka   Pinecone   Docker   GCP

GitHub Actions   Power BI   Explainable AI   Fraud Detection   LLM Safety

Experience

AI Strategist – *Bezaleel Solutions*   2023 – Present

- Driving AI system design, LLM safety, and observability across mission-critical products.
- **NL→SQL Analyst Agent**: 95 % parsing accuracy / 100 % execution; integrated LLM-judge (92 % clarity) + OpenTelemetry traces into Arize Phoenix.
- **SaaS Support Bot Hardening**: multi-tier safety rails blocked 85 %+ of 50+ red-team vectors, cut human escalations 30 %.

Technical Product Manager – ML – *Creditville MFBank*

2022 – 2023

- Led ML products for fraud, risk, customer intelligence within digital finance ecosystem.
- Shipped 3 ML micro-services (fraud, sentiment, auto loans) → double-digit efficiency gains.
- Explainability engine (LIME, DiCE) cut analyst triage time 40 %.
- NLP insights API (Word2Vec, LDA, BERT) reduced manual review 50 %; risk-feature engine slashed loan defaults 20 %.

Lead, AI & Analytics – *PHED*   2020 – 2022

- Built first energy-fraud model → undetected loss -25 %.
- Cloud forecasting (95 % CI) sped budgeting by 2 weeks; automated workflows cut manual tasks 30 %.
- Executive dashboards processed 2 M+ records / month.

Senior Business Analyst & Product Owner – *PHED*   2016 – 2020

- Lean-mapped 80+ processes → 30 % fewer incidents.
- Co-ordinated IoT pilots across 42 units; founded Change Management Committee (trained 200+ staff).

Additional Roles (Part-Time)

Founding Technical Lead – AI/ML – *Tech Genius Solutions*
2024 – Present
- Real-time fraud system (Kafka → PyTorch → Neo4j) improved ring recall 28 %.
- Automated retraining loops: missed fraud -17 %, unlocked SaaS scaling.
- Adaptive biometric/MFA verification cut false positives 35 %.

LLM Training & Evaluation Specialist – *Outlier AI & Invisible Technologies*
Jan 2024 – Jan 2025 | Remote
- Executed high-throughput LLM eval & RLHF for two SF-based AI firms.
- Flagged 150+ bias/factuality/safety issues; built 300+ RLHF prompts → win-rate +11 %.

Selected Projects & Research

Fraud Detection via Logic Tensor Networks
Python • PyTorch • LTN • scikit-learn
93.1 % accuracy (5-fold CV); logic consistency 0.94; optimised 500-epoch CPU runs.

LexSynergy AI – Legal Decision System
Legal-BERT • LSTM • Neo4j • SHAP • RAG • FastAPI
90 % outcome accuracy; SHAP/LIME explainability on precedent & statute level.

Distilled & Quantised ML Service (MNIST Full Stack)
PyTorch • FastAPI • MLflow • W&B • PostgreSQL • Docker • GCP • GitHub Actions
98 % accuracy / <100 ms latency; zero-click CI/CD.

Education & Certifications

- **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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