

Excel David Orlu

AI Engineer: Automation, LLM Integration, and ML Research

excelorlu@gmail.com · +2347064492916 · Lagos, Nigeria · github.com/Clexe · linkedin.com/in/excel-david-orlu

SUMMARY

Build and ship production-grade AI systems across automation, LLM integration, and machine learning research. Designed and deployed end-to-end pipelines, Telegram bots, and algorithmic signal platforms independently in remote environments. Proficient in Python, REST APIs, Claude/DeepSeek/Gemini APIs, and N8N workflow orchestration. Bring a structured, research-oriented approach to prompt engineering, model evaluation, and failure-pattern analysis. Comfortable delivering to both technical collaborators and non-technical stakeholders with clear documentation at every stage.

SKILLS

Python N8N REST APIs Telegram Bot API Whapi.cloud Webhooks Claude API DeepSeek API
Gemini Flash Prompt Engineering Agent Design LLM Integration PostgreSQL Railway
APScheduler Docker Git / GitHub Paystack Chipper Cash TensorFlow (foundational)
Algorithm Design Model Evaluation Experimental Design Deep Learning Fundamentals Rubric Design
Hallucination Detection Bias Identification Edge Case Testing Technical Documentation
Remote Collaboration

EXPERIENCE

AI Engineer · Freelance (Remote)

2023 — Present

- Designed and deployed end-to-end AI automation systems for clients across e-commerce, fintech, and services, owning architecture, implementation, and production deployment independently.
- Built NaijaTaxBot, a Python-based Telegram AI assistant that calculates Nigerian taxes (PAYE, VAT, withholding tax), researching computation logic, prototyping the algorithm, and validating outputs across edge cases and conversational flows.
- Shipped 404Identity, an autonomous AI content research and generation pipeline using DeepSeek for generation, Brave Search API for trend sourcing, and a structured Telegram approval gate for quality control before publishing.
- Conducted applied research into LLM behavior and prompt design patterns, systematically designing test scenarios, evaluating results against defined rubrics, and identifying failure modes including hallucination and logical inconsistency.
- Maintained structured documentation of AI system architectures, prompt methodologies, and experimental findings across all projects, written for both technical collaborators and non-technical stakeholders.

Founder and Lead AI Engineer · Signalix

2024 — Present

- Architected a dual-engine algorithmic signal research framework for forex and crypto markets, designing structured scoring models (Precision engine: 7-gate /15; Flow engine: 5-gate /8) grounded in SMC, Wyckoff, ICT Power of 3, and COT report analysis.
- Conducted iterative reliability research across 6 instruments (EURUSD, GBPUSD, XAUUSD, USDJPY, BTCUSDT, ETHUSDT), identifying failure patterns and refining the algorithmic approach across each iteration.
- Integrated intermarket correlation research and macroeconomic data analysis into signal generation logic, translating findings into scalable automated delivery infrastructure on Railway and PostgreSQL.
- Built a four-tier subscriber model (Free, Basic, Pro, Elite) with Naira pricing via Paystack and automated signal delivery over Telegram.
- Documented all experimental methodologies, model behavior findings, and system architecture decisions to support ongoing development and reproducibility.

EDUCATION

Rivers State University · B.Eng, Electrical Engineering · 2018 – 2023