CHIMEZIE EMMANUEL UZOCHUKWU

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LinkedIn | GitHub | ORCID | Portfolio

Keywords: Generative AI · Large Language Models (LLMs) · Prompt Engineering · LLM Orchestration · Multi-Agent Systems · Python · TypeScript · Node.js · React

PROFESSIONAL SUMMARY

AI Systems Engineer and LLM Specialist with hands-on experience designing generative AI architectures, LLM orchestration pipelines, and multi-agent systems. Builds production prompt-engineering frameworks, automated evaluation suites, and full-stack AI applications using Python, TypeScript, Node.js, and React. Delivers measurable gains in model accuracy, bias reduction, and operational efficiency for enterprise and startup clients.

CORE COMPETENCIES & SKILLS

AI & Machine Learning
Generative AI · Large Language Models (LLMs) · Advanced Prompt Engineering · LLM Orchestration · Multi-Agent Systems · NLP · Automated Logical Fallacy Detection · ASR Model Evaluation · Algorithmic Bias Mitigation

Software Engineering & Web Stack
Python · TypeScript · Node.js · React · JavaScript · Supabase · Vercel · RESTful APIs · Workflow Automation · Git · Performance Optimization

Cybersecurity & Data Security
Threat Intelligence · Open-Source Intelligence (OSINT) · Digital Identity Auditing · Social Engineering Defense · Deep Packet Inspection (DPI)

Blockchain & Web3
Smart Contracts · Cryptographic Protocols · Bitcoin Ordinals · Runes Protocol · Solana · NFT Minting Platforms

EXPERIENCE

AI Prompt Engineer & Full-Stack Developer
Self-Employed | Independent Consultant | March 2023 – Present

- Designed multi-turn prompt engineering workflows and LLM orchestration pipelines for enterprise and startup clients, raising model response accuracy by 30%.
- Built production generative-AI applications and evaluation pipelines with React, Node.js, and Supabase; automated prompt testing and bias checks at scale.
- Deployed multi-agent integrations and automated content-moderation engines that process 1,000+ structured messages daily at 94% classification accuracy.
- Conducted OSINT digital-profile audits and identity verification to defend against remote social-engineering threats.

IT Support Engineer – National Youth Service Corps (NYSC)
Nigerian Bulk Electricity Trading Company (NBET) | October 2023 – October 2024

- Provided technical support and infrastructure maintenance for 200+ energy-trading terminals and enterprise systems.
- Automated diagnostic workflows, reducing system downtime incidents by 25%.

Computer Engineer
Pearl, Lagos | June 2019 – August 2021

- Managed hardware maintenance, software security, and endpoint diagnostics across enterprise environments.
- Resolved 350+ hardware and network-security tickets with a 98% first-time fix rate.

Brand & Packaging Strategist (Secondary Role)
Gafasandals | June 2025 – Present

- Led packaging strategy and cost analysis for materials sourcing and operational scaling.

SELECTED AI & TECHNICAL PROJECTS

Debate – AI-Moderated Social Platform

- Built LLM-based logical-fallacy detection and content-moderation engines handling 1,000+ debate messages daily at 94% accuracy.
- Implemented VIP jury voting and community interfaces with React, Node.js, and NLP pipelines.

Engineering Capability Studio – Multi-Sandbox Technical Platform

- Developed interactive dashboard with five live sandboxes: A*/Dijkstra pathfinding, 60 FPS Canvas physics (Verlet/Euler), Web Audio DSP synthesizer with FFT visualization, reactive data ledger, and microsecond performance profiler.

FormaNFT – Multi-Form Digital Asset Protocol & Generative Studio

- Built procedural generative-art studio and ERC-721 marketplace supporting 16-bit pixel, puzzle, and impasto styles.
- Engineered batch-generation pipelines scaling from small collections to thousands of assets with live on-chain pricing and metadata tools.

NBET Corporate Portal & Investor Information Center

- Designed and deployed corporate portal and data dashboards for wholesale generation mixes, contracted capacities, and debt-resolution frameworks under the Presidential Power Sector Debt Reduction Programme.
- Added accessibility overlay (dynamic text scaling, high-contrast, font controls) and public statutory-document repository.

WealthSync – Investment Forecasting & Opportunity Cost Engine

- Built interactive simulation platform for long-term portfolio growth, terminal wealth, and success probabilities with real-time multi-currency FX (EUR, GBP, NGN, JPY) and stress-testing for sequence-of-returns risk.

MicroScale – Client-Side Batch Image Resizer & Document Scanner

- High-performance browser utility processing up to 50 files in parallel with shadow elimination, adaptive binarization, and multi-page PDF generation—100% client-side, zero server data leakage.

Lazy App – Multi-Service Aggregator Super-App

- Defined architecture and onboarding flows for high-concurrency platform (ride-share comparison, QR inventory, crypto payments), reducing drop-off by 22% and achieving sub-second API response times.

Chain Stories – Collaborative Narrative & Screenplay Platform

- Built sequential co-authoring app with strict turn-based synchronization and schemas for converting community scripts into production-ready screenplays.

EDUCATION

B.Eng. Computer Engineering (Second Class Upper Division)
Oduduwa University, Ipetu Modu, Osun State, Nigeria | August 2017 – September 2023

High School Diploma (SSCE)
Command Secondary School, Suleja, Niger State, Nigeria | September 2007 – July 2013

CERTIFICATIONS

Generative AI: The Future of UX UI Design – SkillUp (via Coursera)
Issued October 2026 | Credential ID: X8OR5HP1AM7I

Generative AI: Introduction and Applications – IBM (via Coursera)
Issued September 2026 | Credential ID: B1ETZ9QK1JF4

Generative AI: Prompt Engineering Basics – IBM (via Coursera)
Issued September 2026 | Credential ID: 10L0B3B4T38M