Lagos, NIGERIA
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DANIEL NWANJAH

TECHNICAL SKILLS

• **Languages:** Python, C++, Bash, SQL

• **Backend & Software Engineering:** FastAPI, Asyncio, REST API Design, Microservices Architecture, Event-Driven Architecture, System Design, Design Patterns, Unit/Integration Testing, Git, CI/CD

• **AI & ML Engineering:** MLflow, FinBERT, NLP Pipelines, Model Serving/Inference APIs, Spark, Pandas, Polars, NumPy, Scikit-learn

• **Infrastructure & DevOps:** Docker, Kubernetes, Prometheus, Grafana, MLflow

• **Trading & Data Systems:** MT4/MT5 Client API, CCXT, FIX Protocol Endpoints, WebSockets, Celery, Redis, Kafka, TimescaleDB, PostgreSQL

EXPERIENCE

Digitup, Nigeria — *Backend Engineer → Engineering Manager (Promoted)*

MARCH 2026 - SEPTEMBER 2026

- Promoted from Backend Engineer to Engineering Manager, now owning delivery, sprint planning, and technical direction for the engineering team across DigitUp's web and mobile product lines.
- Manage end-to-end project delivery for client engagements — translating business requirements into technical roadmaps and coordinating handoffs between design, backend, and QA.
- Standardized CI/CD and code review workflows, reducing deployment cycle time by 30% and decreasing production incident rate by 20% across the engineering team.
- Stay hands-on with backend architecture and API design alongside management duties, maintaining direct technical ownership on core systems.

Ascendia Capital, Nigeria — *Quant Backend Engineer*

FEBRUARY 2023 - NOVEMBER 2025

- Engineered an asynchronous, low-latency execution bridge in Python handling multi-account order dispatch across 20+ institutional trading accounts.
- Implemented WebSocket event listeners and Asyncio loops to stream and process tick market updates under strict execution constraints (<15ms latency).
- Built production risk-management controls including dynamic position sizing and auto-drawdown circuit breakers, preventing potential capital losses during high-volatility events.

- Optimized TimescaleDB schema for 50M+ rows of tick data, reducing query latency by 40% through hypertable indexing and connection pooling.
- Maintained 99.9% uptime by configuring end-to-end telemetry and dynamic alerting via Prometheus and Grafana.

FUTO Internship Training Program, Nigeria — *Instructor*

MAY 2025 - OCTOBER 2025

- Designed production-grade reference architectures for backend, data engineering, and MLOps platforms using FastAPI, Docker, Spark, and MLflow, delivered concurrently with core engineering role at Ascendia Capital.
- Mentored 4th-year students through building containerized CI/CD pipelines and microservices following industry-standard design patterns.

Chilli Grill & Bar — *Barman / Hospitality Attendant*

February 2024 - December 2024

- Customer Engagement & Service: Welcomed patrons warmly, managed front-of-house hospitality, and ensured a friendly, professional atmosphere throughout each shift.
- Order Management & Operations: Handled accurate drink and order processing, maintained stock awareness, and worked closely with team members to guarantee smooth, fast-paced service during peak hours.
- Hygiene & Standards: Upheld rigorous standards of cleanliness, personal hygiene, and safety compliance across the bar and serving areas.
- Reliability: Built a strong track record of punctuality, teamwork, and effective problem-solving, leaving the role on excellent terms after 9+ months of dedicated service.

Sekani lounge & Suites — *Kitchen Assistant*

September 2021 - December 2022

- Food Prep & Support: Assisted culinary and kitchen teams with food preparation, ingredient portioning, and maintaining organized workstations to keep service running smoothly.
- Hygiene & Safety: Adhered strictly to kitchen safety, food hygiene, and sanitation guidelines to ensure a clean and compliant cooking environment.
- Inventory & Stock Management: Monitored food and supply levels, promptly informing the team when items were running low to prevent service disruptions.
- Teamwork & Reliability: Collaborated closely with cooks, servers, and staff in a high-pressure environment, demonstrating strong reliability, punctuality, and a strong work ethic.

EDUCATION

Federal University of Technology, Owerri