Nkosi Felix

Senior Data Platform Engineer | AI Ingestion | Python | Azure | Kafka | PostgreSQL | Microsoft Graph

Maitland (Orlando), FL | Open to US remote and relocation | 404-932-5956 | njfelix11@gmail.com | linkedin.com/in/nkosifelix | jobplaylist.com | gitlab.com/ZorillaTrace

U.S. Citizen | No sponsorship required | Available immediately

PROFESSIONAL SUMMARY

Data Platform Engineer specializing in governed AI ingestion, event-driven backend services, and enterprise cloud integrations. Independently built and operate Job Playlist, a production job-discovery and candidate-matching platform (Python/FastAPI, PostgreSQL, Vercel) that publishes a catalog of 46,958 U.S. job postings from 960 employers (as of Oct 29, 2026). At NBCUniversal, delivered deterministic Python and Microsoft Graph/SharePoint ingestion workflows; at 4C Strategies, built idempotent Kafka-to-PostgreSQL services. Earlier experience spans Azure enterprise adoption, SQL/Python analytics, and customer-facing technical delivery.

CORE SKILLS

- **Languages:** Python, SQL, Java 17, FastAPI, Pydantic, Spring Boot 3, Spring Cloud Stream, JPA/Hibernate, REST APIs
- **Data & Streaming:** Apache Kafka (idempotent consumers), PostgreSQL, Supabase, ETL/ELT, data contracts, schema validation, provenance and lineage, dead-letter handling
- **Cloud & Integration:** Microsoft Azure (Data Factory, Purview, Defender), Microsoft Graph API, SharePoint/OneDrive, Microsoft 365, Vercel (Functions, Cron, Blob, Edge Config), Docker
- **AI & Governance:** LLM-based scoring and evaluation, multi-provider model fallback, score lineage, human-review and approval-gated automation, validation routing
- **Quality & Operations:** pytest, Playwright, JUnit 5, Mockito, GitHub Actions, GitLab CI/CD, Maven, Grafana, Loki, Prometheus, structured logging, correlation IDs

PROFESSIONAL EXPERIENCE

Independent Data Platform Engineer | GetBetterAI / Job Playlist | Remote | Jun 2026 - Present

Self-employed | Building Job Playlist (jobplaylist.com), a job-discovery and candidate-matching platform now in production

- Built and operate Job Playlist end to end (data model, ingestion, scoring, product, deployment): Python/FastAPI services on Vercel, Supabase PostgreSQL for member and scoring state, and immutable, content-addressed catalog generations published through Vercel Blob and Edge Config.
- Built multi-source ingestion from public ATS APIs (Greenhouse, Lever, Ashby, BambooHR, Workable) with deterministic job identity, deduplication, eligibility gates, pay normalization, and posting-closure tracking; grew the reviewed employer registry from 113 to 996 sources (Jul 31 to Oct 29, 2026).
- Run scheduled freshness and reconcile workflows with run leases, typed failure classes, and a dead-letter queue for retry or abandon decisions; 315 successful freshness runs each published a new catalog generation (Sep 24 to Oct 28, 2026).
- Built LLM-based candidate-to-job fit scoring with multi-provider model fallback, timeout and rate-limit classification, and per-recommendation score lineage: 9,832 successful production scoring evaluations and 20,541 lineage-tracked recommendations (through Oct 29, 2026).
- Maintain 6,600+ automated test definitions (pytest, Playwright) plus CI acceptance and production-canary workflows; shipped email and Google sign-in, hosted PayPal subscription checkout, and referral-code access.

Lead Software Engineer, Data Platform | Universal Creative / NBCUniversal | Orlando, FL | Feb 2026 - May 2026

W2 contract | AI Strategy & Solutions

- Built the team's first deterministic Python document-ingestion harness, replacing manual raw-document handoffs with replay-safe canonical bundles, manifests, parser routing, provenance capture, normalized outputs, and run evidence.
- Served as technical partner across 5 enterprise workstreams (Legal, Finance, Building & Estimating, Cyber, AI platform), turning ambiguous document and workflow needs into reviewable engineering artifacts.
- Delivered the first working OneDrive proof, then advanced a checkpointed Graph delta-sync pattern (eTags, content hashes, run-locking, atomic landing, Graph/mock fallback); tenant permissions and production write authority stayed owner-gated.
- Implemented ACCEPT / QUARANTINE / SYSTEM validation routing with preserved failure reasons, duplicate and ambiguity holds, and multi-parser rechecks so low-confidence documents could not silently reach downstream AI workflows.
- Built guarded ClickUp API automation (dry-run/apply separation, comment-only fallback, preflight traces, default-deny status mutation, audit evidence) and proved Legal SharePoint rename mechanics on copied folders, originals untouched.
- Owned the team's Codex skills repository at manager direction; contributed Python quality and linting standards.

Software Engineer II (Data Engineering) | 4C Strategies North America | Orlando, FL | May 2025 - Sep 2025

- Built a Kafka-to-PostgreSQL ingestion service and read-only query REST API in Java 17/Spring Boot with idempotent consumption, DTO validation, JPA persistence, and paginated filters; adopted as the team's baseline pipeline template.

- Added JUnit 5, Mockito, and Spring Cloud Stream test-binder coverage for normalizer and Kafka consumer services, run through GitLab CI and Maven Surefire; the new tests caught a null-pointer defect before QA.
- Provisioned Grafana and Loki log views with correlation-ID tracing and flow-health dashboards, reducing distributed debugging cycles by an estimated ~30%.
- Built a deterministic XMPP sender/receiver acceptance harness with synthetic fixtures and run summaries (totals, DLQ, timings), resolved Openfire TLS/authentication blockers, and documented IL4-constrained, air-gapped runbooks.
- Compared LLM hosting options for IL4/IL5 constraints (Azure OpenAI Government, llama-cpp-python, Ollama) and PostgreSQL vs. graph storage for AI message processing; the team adopted PostgreSQL.

Senior Customer Success Manager | Accenture | Atlanta, GA | May 2024 - Dec 2024
Client engagement: Microsoft Advanced Azure

- Supported Microsoft Advanced Azure customer engagements with customer-success analytics, adoption metrics, business reviews, and executive communications.
- Ran discovery sessions and solution demonstrations for enterprise Azure customers, using Microsoft Purview to map data governance and demonstrating Microsoft Defender against representative data sources.
- Advised customers on Azure Data Factory ingestion reliability and schema control (explicit schema expectations, mapping data flows, error-path routing) and on cloud adoption; customer and partner teams owned implementation.

EARLIER EXPERIENCE

Supply Distribution Specialist | Wellstar Health System | Atlanta, GA | Oct 2023 - Apr 2024

- Healthcare supply-chain operations: regulated receiving, serial and lot tracking, cold-chain records, consumption analysis.

Sr. Project Manager, Cost Optimization (contract via Artech) | Verizon Connect | Remote | Jun 2023 - Jul 2023

- Analyzed logistics and carrier costs for a fleet-telematics business; modeled freight-spend and SLA scenarios.

Customer Success Manager | Kearney | Atlanta, GA | Oct 2021 - Dec 2022

- Built Voice-of-Customer and account-health reporting (Excel, Power BI, Salesforce) on adoption blockers, escalations, and retention signals; coordinated Sales, Analytics, and Product on client delivery.

Senior Data Analyst | Flexport | Atlanta, GA | Oct 2020 - Apr 2021

- Analyzed carrier performance and costs in Python/SQL; built Power BI/Excel dashboards for 100+ concurrent shipments.

Export / Logistics Operations Specialist | Hapag-Lloyd | Atlanta, GA | Feb 2019 - Nov 2019

- Managed export documentation (AES/ITN), ocean bookings, and SAP billing reconciliation for 100+ monthly shipments.

PUBLIC CODE SAMPLES

gitlab.com/ZorillaTrace: three synthetic, public-safe repositories (no employer code) with 101 automated test definitions and 8 ADRs: airgap-messaging-ingest (idempotent Kafka and PostgreSQL ingest with typed ACCEPTED/REJECTED/DUPLICATE outcomes), acceptance-harness (Java 17), and ai-platform-operating-model.

CERTIFICATIONS & ACCREDITATIONS

- Microsoft Certified: Azure Fundamentals (AZ-900), Jul 2023 | Azure AI Fundamentals (AI-900), Oct 2025 | Azure Data Fundamentals (DP-900), Nov 2025
- Confluent: Data Streaming Engineer Foundations certificate (online, non-proctored), Nov 2025 (valid through Nov 2027)
- Databricks Academy Accreditation: Databricks Fundamentals, Oct 2025 | Azure Databricks Platform Architect, Nov 2025
- Aviatrix: ACE Multicloud Network Associate, Feb 2024 (valid through Mar 2027)
- Fortinet NSE 1 Certified in Cybersecurity | Fortinet NSE 2 Certified in Cybersecurity, Sep 2025 (valid through Sep 2027)

Verification links for each credential are listed on LinkedIn.

EDUCATION

Georgia Southern University | Bachelor of Information Technology (in progress; enrolled for Fall 2026 coursework)