JOSEPH NWANKWO

DATA ANALYST

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WORK EXPERIENCE

Database Developer (Contract) — Flourish Worldwide
Washington, DC | Jul 2026 – Present

- Analyze research and program data for the Flourish 360 initiative with SQL and Python; build dashboards and reports used to monitor program performance and evaluate impact.
- Own the research database behind the initiative: data ingestion, schema design, and quality checks supporting a 0–10 usability scorecard.
- Document data definitions and validation controls; contribute to data standards that keep recurring reporting accurate and auditable.

Research Assistant & Data Analyst — The Catholic University of America, Busch School of Business
Washington, DC | Apr 2025 – May 2026

- Analyzed 900,000+ records of research data with SQL and Python; applied statistical models and data mining to identify patterns, trends, and anomalies across large datasets.
- Created and maintained Tableau dashboards, reports, and research summaries for faculty leadership, presenting data findings against program objectives.
- Cleaned and interpreted data from disparate sources through systematic quality checks; verified data quality and reconciled records across sources before reporting.

Business Application Specialist — Booking.com
Vilnius, Lithuania | Jan 2023 – Dec 2024

- Served as a data and systems point of contact for partner-facing teams on a global SaaS platform: configuration, troubleshooting, and root-cause analysis for partner issues.
- Analyzed partner onboarding and platform-usage data from disparate sources to identify patterns, friction points, and exceptions; documented case details for clear handoffs.
- Monitored platform KPIs and partner health metrics; flagged underperforming segments for corrective action.

Business Analyst — Cencora (formerly AmerisourceBergen)
Vilnius, Lithuania | Aug 2020 – Dec 2022

- Queried and analyzed 500,000+ records with SQL and PostgreSQL to find trends, data issues, and performance gaps; automated recurring reporting with Python and SQL.
- Created more than 10 Power BI dashboards tracking KPIs for business teams, and prepared SQL reports and KPI analyses that supported management decisions.
- Performed UAT and system testing on report changes, helping improve data accuracy to over 98%.

TECHNICAL SKILLS

Programming Languages: Python, SQL
Frameworks & Libraries: Pandas, NumPy, scikit-learn, XGBoost, LightGBM
Tools & Technologies: PostgreSQL, Tableau, Power BI, Excel, Databricks, BigQuery, Looker, STATA, Git/GitHub, ETL Pipelines

PROJECTS

- **AI Job Hunting Copilot** — Spark, pgvector, Flask, FastMCP: full-stack app that syncs live job postings, embeds them, and ranks matches against a candidate profile; deployed on Databricks Apps.
- **A Real-Time Early-Warning AI System for Recession and Inflation Risk** — Python, Airflow, PostgreSQL, Tableau: predicts U.S. recession risk across 1-, 6-, and 12-month horizons and forecasts inflation from FRED, BLS, Treasury, and NBER indicators.
- **RevSymphony — Autonomous Revenue Operations Agent** — Python, Docker, OpenAI API: triages Slack, Gmail, WhatsApp, and voicemail messages; classifies intent, scores priority and revenue value, generates replies, and books meetings automatically.
- **Predicting Zillow Zestimate Errors** — Python, LightGBM, XGBoost: predicted home-valuation error on 90,275 sales; LightGBM MAE 0.06822 beat XGBoost and a median baseline.

CERTIFICATIONS

- **The Rise of the AI Data Engineer Boot Camp** — DataExpert.io Community Academy | Oct 2026
- **Community Data Engineering Boot Camp Certification** — DataExpert.io | Jan 2026
- **ZoomInfo DaaS Certification** — ZoomInfo | May 2026
- **AWS Web Services** — Accenture | Apr 2022
- **Accounting Industry Training** — Brainnest, Germany | May 2022

EDUCATION

M.S. in Data Analytics — The Catholic University of America, Washington, DC | Sept 2024 – May 2026
M.S. in Business Management — Mykolas Romeris University, Vilnius, Lithuania | Feb 2018 – Jul 2020
B.Sc. in Economics — University of Maiduguri, Nigeria | Apr 2010 – Jun 2015