

Jude Nwagu

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[GitHub](#) | [LinkedIn](#) | [Medium](#) | [Tableau Public](#)

Professional Summary

Data Analyst with 4+ years of experience turning complex data into actionable insights across finance, education, and operations. Skilled in SQL, Power BI, Tableau, Excel, and Python (Pandas, NumPy), with expertise in data visualization, ETL processes, KPI tracking, reporting automation, and statistical analysis. Proven track record of delivering measurable impact reducing quarterly operational costs by 20% (₦1.15M), improving Portfolio at Risk (PAR30) by 66%, and building interactive dashboards that guided executive decision-making and contract negotiations. Certified in Google Data Analytics, Microsoft Fabric, DataCamp, and Quantum Analytics NG, with hands-on experience in predictive analysis, financial reporting, DAX modeling, and AI-driven automation. Recognized for bridging technical analysis with business storytelling to drive smarter, faster decisions.

Professional Experience

Data Analyst

Feb 2021 – Dec 2024

EduTech

- Reduced quarterly operational costs by **20%** through SQL-driven financial analysis and vendor optimization.
- Cleaned and transformed large datasets with SQL, Excel, and Power Query, enabling accurate trend identification and KPI reporting.
- Developed and deployed **Power BI dashboards** (star schema + DAX time intelligence) that supported strategic planning and contract negotiations.
- Automated reporting workflows with Python + AI tools (Chat GPT, Gemini), cutting reporting time by **30%** and boosting accuracy.
- Partnered with product, finance, and operations teams to deliver insights on learning behavior and revenue performance.

Data Analyst

Jan 2017 – Dec 2020

Bosak Microfinance Bank

- Produced weekly financial and operational reports with 95%+ accuracy, ensuring reliable insights for senior management decision-making.
- Supported 60+ weekly loan decisions by developing SQL queries to evaluate client creditworthiness using transactional and demographic data.
- Reduced Portfolio at Risk (PAR30) from 12% to 4% (66% improvement), surpassing the industry benchmark of $\leq 5\%$, through SQL-driven monitoring and data-informed client engagement strategies.
- Delivered actionable insights during weekly credit committee meetings, directly influencing lending policies and strengthening risk management practices.
- Partnered with 2 Regional Managers and 9 Area Managers to forecast branch-level growth opportunities and track performance against financial targets.

Core Skills

- Technical: SQL (MySQL, SQL Server, PostgreSQL) | Excel | Power BI | Tableau | Python (Pandas, NumPy) | Power Query | AI Tools (ChatGPT, Gemini)
- Business: Data Visualization | KPI Tracking | ETL & Data Cleaning | Predictive Analysis | Reporting Automation | Stakeholder Engagement | Risk Analysis | Business Intelligence

Key Projects

- ATM Performance Optimization – Analyzed 6.52M transactions (₦111.07B) with SQL Server + Power BI, reducing downtime and improving customer satisfaction at high-traffic hubs. [\[Full Project Breakdown\]](#)
- Nigeria's Fuel Affordability Analysis – Compared Nigeria's fuel prices and minimum wage to 10+ countries using Excel + Tableau, revealing affordability gaps (1 liter/hour vs. Libya's 63 liters/hour). [\[Full Project Breakdown\]](#)
- Health Performance Dashboard – Built an interactive Excel + Tableau dashboard to track vital signs and detect anomalies for proactive healthcare monitoring. [\[Full Project Breakdown\]](#)
- Harnessing Consumer Complaint Data – Analyzed 62K+ complaints (2019–2023) with Excel, identifying inefficiencies and boosting response effectiveness toward 100%. [\[Full Project Breakdown\]](#)
- Credit Risk Assessment Model – Processed 20K+ loan applications (36 attributes) using SQL Server + Excel, cleaning data and uncovering risk drivers for informed lending. [\[Full Project Breakdown\]](#)
- Marketing Campaign Performance Analysis – Evaluated digital ad performance with SQL + Excel, achieving 21.5% ROI on Pinterest and 460M+ engagements, driving budget optimization. [\[Full Project Breakdown\]](#)
- Call Center Performance Dashboard – Designed Excel + Tableau dashboards that improved customer engagement by 54.8% and first-contact resolution by 58.6%. [\[Full Project Breakdown\]](#)

Education

- B.A. Education & History | Imo State University | 2014
- Transitioned into Data Analytics through professional certifications (Google, Microsoft, DataCamp, ALX, Quantum Analytics NG, Udemy).

Certifications

- [Microsoft Fabric Analytics Engineer Associate](#) – Microsoft (2025)
- [Career Essentials in Generative AI](#) – Microsoft (2025)
- [Data Analyst Fellowship](#) – Quantum Analytics NG (2025)
- [AI Starter Kit](#) – ALX Africa (2025)
- [Sales Analysis & Modelling Using Excel](#) – Udemy (2025)
- [AI Career Essentials](#) – ALX Africa (2024)
- [Google Data Analytics Professional Certificate](#) Google (2023)
- [Data Analyst Associate](#) – Data Camp (2023)
- [Report Automation in Modern Excel](#) – dbrownconsulting (2023)