

# Best Nyah

Data & Software Engineer

[bestnyah7@gmail.com](mailto:bestnyah7@gmail.com) | [linkedin](#) | [Github](#) | [Medium blog](#)

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## SUMMARY

Data and Software Engineer skilled in AI, Cloud technologies, and Data Pipelines. Experienced in optimizing workflows and enhancing system performance. Seeking a Data Engineer role to deliver impactful improvements

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## TECHNICAL SKILLS

**Languages:** Python, SQL

**ETL/ELT:** Prefect, Apache Airflow, Fivetran, Airbyte, dltHub, DBT, Selenium

**DataOps/DevOps:** AWS, Azure, Digital Ocean, OVH Cloud, Terraform, Ansible, Github Actions, Docker, Helm, Kubernetes, Prometheus, Loki, Grafana

**Developer Tools:** Git, Github, Pytest, YAML, Bash, VS Code

**Data Processing:** Apache Spark, Apache Kafka, Debezium, Pandas, Polars, BeautifulSoup, Soda-core, Google Looker

**Database/Datastore/Warehouse:** Postgres, MongoDB, Redis, DuckDB, S3, Minio, Snowflake, Redshift, Clickhouse

**Data Modeling & Warehousing:** Dimensional Modeling, ERD Modeling, Data Warehouse Design

**Backend:** Flask, FastAPI, RabbitMQ, Traefik, Nginx

**ML/AI:** Jupyter, Scikit-learn, Keras, Tensorflow, LangChain, OpenAI GPT-4, NLTK, Librosa, SciPy

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## EXPERIENCE

### Data & Python Engineer

Jan 2022 - Present

*Upwork (Freelance)*

*Remote, Worldwide*

- Delivered custom Python scripts to automate data extraction, processing, and delivery for 15+ clients, enabling businesses to meet critical deadlines and improve data-driven decision-making capabilities.
- Resolved data pipeline bottlenecks by re-architecting data flows utilizing Apache Kafka and Apache Spark, expediting data delivery to customers by 40% and enhancing user satisfaction scores.
- Optimized SQL queries to enhance data extraction and processing speeds, boosting system performance.
- Developed and optimized Data Pipelines with tools like Airbyte, Airflow and DBT for ETL processes, ensuring scalable, automated data workflows.
- Created insightful data visualizations in Grafana & Google looker to support data-driven decision-making, monitoring key metrics and system performance.

### Data Engineer/ETL Developer

Mar. 2022 – Apr. 2024

*Newswise (Contract)*

*Remote, US*

- Architected and upheld robust ETL pipelines, extracting data from 50+ news sources with 89% data accuracy, which enabled real-time insights for data scientists and improved decision-making speed.
- Established and refined data ingestion pipelines utilizing MariaDB, which processed 300,000 news articles daily, resulting in a 40% faster data retrieval rate for news feed applications.
- Successfully reduced ETL process runtime by 30% through optimization and parallel processing techniques.
- Enhanced data quality and consistency by implementing automated validation checks, resulting in a 25% reduction in data errors.
- Key role in scaling pipeline for 50% data volume increase, ensuring smooth ingestion and processing

### Software Engineer

Nov 2021 - Dec 2023

*Ocassio LTD (Contract)*

*Remote, Nigeria*

- Standardized data exchange across 15+ services by architecting RESTful APIs using FastAPI, enhancing system interoperability and enabling real-time data synchronization capabilities.
- Streamlined data workflows, automating processing, transformation, and integration across systems, while optimizing information visualization through diverse source ingestion.
- Collaborated with ML team, using AWS Redshift for data warehousing and DBT for modeling, achieving 15% better decision-making and 25% fewer errors.

### Machine Learning Engineer/Mentor

Feb 2022 - Mar 2022

*Technocolabs softwares (Contract)*

*Remote, India*

- Delivered expert technical guidance to machine learning and data science interns, led cross-team collaboration on software solutions, and managed distributed teams, achieving high success rates and reducing deployment errors.

- Developed a Python-based data pipeline to collect and preprocess music data, leveraging spectral analysis and unsupervised learning to enhance dataset quality, reduce dimensionality, and improve feature extraction.

### **Machine Learning Engineer Intern**

Nov 2021 - Feb 2022

*Technocolabs softwares (Contract)*

*Remote, India*

- Built a data pipeline with Python and APIs to collect and preprocess audio data from a music platform.
- Applied spectral analysis to enhance dataset quality and size by 70%.
- Used unsupervised learning to detect repeated patterns, reducing dimensionality while keeping key features.
- Collaborated on developing and evaluating ML models, including a neural network, for optimal performance.

## **EDUCATION**

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### **University of Uyo**

Uyo, Nigeria

*Bachelor of Engineering, Computer Engineering*

*2017 - 2022*

## **EXTRACURRICULAR**

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### **Prefect-recipes repo contributor**

*Contributed to Prefect's recipe snippets and templates representing common Customer success patterns*

### **Machine Learning Facilitator University of Uyo (MSc & Ph.D)**

*Provided expert guidance in machine learning, inspiring and empowering students to exceed expectations and achieve outstanding*

### **Guest speaker Everest Online Academy (EOA) Bootcamp**

*Guided a class through immersive AI exercises, impacting an impressive 80% of participants.*

### **Technical Article Author**

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