

JOSEPH TERUNGWA NONGU

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Professional Summary

Dynamic Health Informatics Specialist with over 6 years of experience designing and managing DHIS2 systems for health and education data in Nigeria. Expert in DHIS2 configuration, user management, dashboard development, and API integration, with a proven track record of reducing data processing time by 30% and enhancing data reliability by 20%. Developed innovative applications, including a DHIS2 User Manager App and EMIS Data Upload Dashboard, streamlining user administration and data monitoring. Proficient in React.js, Python, SQL, and tools like OpenHIM and ApacheNiFi. Seeking DHIS2 Specialist/Expert roles in Nigeria or remotely to advance health system strengthening.

Key Skills

- **DHIS2:** Configuration, user role management, tracker/aggregate setup, Web API integration, dashboard/report development
- **Applications Developed:** DHIS2 User Manager App (React.js), DHIS2 EMIS Data Upload Dashboard (Flask, React, Tailwind CSS)
- **Programming:** Python, JavaScript, React.js, HTML, CSS, Flask
- **Data Integration:** OpenHIM, Apache NiFi, Apache Airflow, DHIS2 Web API
- **Database Management:** SQL, MySQL, PostgreSQL
- **Analytics Tools:** Power BI, DHIS2 Data Visualizer, Pivot Tables, Excel
- **Health Informatics:** Nigeria Medical Record System (NMRS), data quality assurance, interoperability
- **Soft Skills:** User training, stakeholder engagement, problem-solving, cross-cultural collaboration

Professional Experience

Information Systems Officer

Health Information Systems Program (HISP), Abuja, Nigeria *March 2023 – Present*

- Configured DHIS2 instances, including user roles, organisation units, and tracker programs, reducing data processing time by 30%.
- Developed **DHIS2 User Manager App** ([GitHub](#)) using React.js and DHIS2 Web API, enabling batch user import/export and resolving errors (e.g., E4055) for 50000+ users.
- Built **DHIS2 EMIS Data Upload Dashboard** ([GitHub](#)) with Flask, React, and Tailwind CSS, improving school data monitoring by 25% through real-time analytics and validation tracking.
- Implemented data integration using OpenHIM, ApacheNiFi, and Apache Airflow, achieving 40% faster data exchange.
- Trained 100+ users on DHIS2, ensuring 95% system uptime and improving data quality by 20%.
- Presented analytics reports to national stakeholders, enhancing project visibility by 15%.

Health Informatics Assistant

APIN Public Health Initiative, Logo LGA, Benue, Nigeria

June 2020 – June 2023

- Managed Nigeria Medical Record System (NMRS) uploads to the National Data Repository, improving reporting efficiency by 10%.
- Conducted data validation, enhancing accuracy by 15% for HIV and TB programs.
- Resolved DHIS2 user issues (e.g., access errors, role conflicts), maintaining 95% system availability.

Data Entry Assistant (Lead DEA)

APIN Public Health Initiative, Logo LGA, Benue, Nigeria February 2019 – June 2020 •

Streamlined weekly reporting and line listing, reducing preparation time by 20%.

- Ensured 100% compliance with DHIS2 and NMRS data quality standards during monthly validation meetings.
- Supported data entry for health programs, improving completeness by 10%.

Monitoring & Evaluation Officer

NKST Hospital, Logo LGA, Benue, Nigeria

June 2017 – January 2019

- Prepared DHIS2 and NMRS-based reports for health programs, enhancing evaluation efficiency by 15%.
- Validated program data, achieving 95% accuracy in reports.

Data Entry Clerk

Centre for Integrated Health Programs (CIHP), Benue, Nigeria January 2016 – March 2016

- Performed data entry and cleaning, ensuring 98% data accuracy.

Education

Bachelor of Science (Ed): Statistics/Computer Science

2014

University of Agriculture, Makurdi, Nigeria

Certifications

- DHIS2 Fundamentals (DHIS2 Academy, 2023)
- Python for Web Data Access (2023)
- Google Data Analytics Professional (2022)
- Global Health eLearning: Data Quality (2018)
- Global Health eLearning: M&E Fundamentals (2018)
- Web Development (NITDA, 2020; NYSC SAED, 2016)

Referees

Available on request