# UTHMAN QOZEEM OJO. BSc, MSc, PDDA

*Data Analytics Engineer // Digital Health Systems Analyst*

*Quality Assurance Lead // Public Health Data Specialist*
*Abuja, Nigeria*
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## PROFESSIONAL SUMMARY

Highly skilled Data Analytics Engineer and Quality Assurance Lead with extensive experience supporting the design, testing, deployment, and optimization of national digital health platforms used by government agencies, development partners, and donor-funded programs. Adept at conducting advanced data analysis, validating indicators, designing dashboards, improving data quality, and coordinating multi-agency technical workflows.

A proven expert in bridging the gap between software engineers, program managers, government stakeholders, and donor organizations. Known for translating complex public health and programmatic requirements into clear technical specifications; leading large-scale national trainings; conducting UAT sessions; and ensuring seamless adoption of digital platforms across federal and state levels.

Worked extensively on multiple health projects. Committed to advancing digital health transformation and strengthening data-driven decision-making in Nigeria and beyond.

## CORE COMPETENCIES

- Advanced Data Analysis (R, Python, SQL)
- Data Cleaning, Structuring & Transformation
- Digital Health Systems Development & Support
- QA Testing, UAT, Indicator Validation & Logic Verification
- Dashboard & Analytics Design (Power BI, R Shiny, Python)
- National Stakeholder Training & Capacity Building
- Technical Communication & Requirements Translation
- Monitoring & Evaluation + Health Data Architecture
- Project Coordination, Documentation & Implementation Support
- Multi-Agency Engagement & Systems Adoption Facilitation

## PROFESSIONAL EXPERIENCE

**DATHARM, Abuja, Nigeria**

*Data Analytics Engineer • Quality Assurance Lead • Technical Coordinator*

**September 2024 – Present**

Provides national-level technical leadership across multiple digital health initiatives. Functions as a key liaison between government agencies and software engineers, ensuring accurate data analytics, high-quality system performance, and proper interpretation of public health indicators.

**Key Responsibilities & Achievements**

- Lead data analysis, dashboard validation, indicator design and logic testing across all national platforms.
- Conduct rigorous QA: functionality testing, logic verification, regression checks, and usability evaluation.
- Oversee UAT sessions with federal agencies, donors, and state representatives.

- Translate programmatic and public health requirements into technical specifications and engineer-ready tasks.
- Facilitate communication between agencies (National Health Insurance Authority, National Primary Health care Development Agency, National Emergency Medical Services and Ambulance System, Nigeria Governors' Forum) and development teams.
- Deliver high-level presentations, demonstrations, and national training sessions to government and partner teams.
- Conduct data quality reviews, routine dataset checks, and analytics troubleshooting.
- Guide junior analysts, QA staff, and technical team members.
- Ensure each system release aligns with donor expectations, government workflow, and public health logic.

### *Research Associate • Data Analyst • QA Engineer*

**September 2023 – August 2024**

Performed analytics and QA for national health platforms. Supported M&E reporting, data cleaning, and state-level capacity building.

**Key Contributions**
- Analysed RMNCAH+N data, routine PHC indicators, dashboards, and immunization datasets.
- Conducted QA for NEMSAS, NHIA, and multiple federal oversight platforms.
- Strengthened Zero-Dose immunization projects in Kano & Katsina through analytics and data quality checks.
- Facilitated state training sessions on reporting rules, system usage, dashboards, and data interpretation.
- Supported national monitoring efforts through data cleaning, transformation, and indicator validation.

### *Data & Research Intern*

**March 2023 – August 2023**
- Cleaned and validated national datasets used for PHC assessments.
- Conducted health systems analysis and prepared data summaries for reporting teams.
- Supported dashboard updates and public health presentations.

## ADDITIONAL PROFESSIONAL EXPERIENCE

### *Research Officer / Data Analyst*
Medbridge International, Abuja
June 2022 – Dec 2023
- Conducted research design, data analysis, and report writing.
- Led literature reviews and collaborated with other research partners.
- Supported proposal writing and grant applications.

### *Fellow at UNDP*
Nigeria Jubilee Fellowship Program,
Alubarika Health Services
Sept 2022 – Aug 2023
- Provided support on reproductive health projects, health education, and weekly seminar presentations.

*Quality Improvement Advisor (Consultant)*
National Primary Health care Development Agency, Abuja
November 2022

- Facilitated a 5-day quality improvement training in Kwara State.
- Conducted assessments and developed recommendations for PHC improvement.

*COVID-19 Training Advisor*
National Primary Health care Development Agency, Abuja
September 2022

- Strengthened COVID-19 response capacity through training frontline health workers.

*Data Entry Clerk*
BHCPF Unit, National Primary Health care Development Agency, Abuja
July 2022 – September 2022

- Conducted data entry, error resolution, and facility follow-up for PHC datasets.

*Intern*
West African Institute of Public Health
March 2022 – August 2022

- Supported awareness campaigns, global health discussions, and public health events.

*Research Associate Intern*
University College Hospital, Ibadan
November 2020 – March 2021

- Assisted in seminal fluid analysis and laboratory research.

*Principal / HOD Chemistry / Instructor / NYSC Health Officer* —2017 – 2019
- Provided leadership, coordination, and curriculum-based academic support.
- Managed school operations, student learning, and health education sessions.


## MAJOR NATIONAL & DONOR-FUNDED PROJECT PORTFOLIO

**1. National Health Insurance Authority (NHIA) Data Management Platform —** *Global Fund Supported Project*

A nationwide digital platform supporting health insurance enrolment, verification, claims monitoring, facility performance tracking, and donor reporting for the Global Fund portfolio.

Key Roles & Contributions

- Led data analysis, indicator validation, and end-to-end quality assurance for dashboards and reporting outputs.

- Ensured alignment of data workflows with NHIA operational and health insurance business processes.

- Acted as a technical liaison between NHIA program teams and software developers, translating policy and operational needs into system requirements.

- Supported national and state-level onboarding and capacity-building sessions for NHIA officers.

- Served as a technical resource person during the NHIA Q3 National Review Meeting, providing insight on data quality, system performance, and reporting integrity.

- Verified accuracy and consistency of outputs used for facility performance monitoring and Global Fund reporting.


## 2. Zero-Dose MCHTrack, Immunization Project (Kano & Katsina States) — *BMGF Supported Project*

A maternal and child health intervention focused on identifying zero-dose children, tracking defaulters, and strengthening immunization coverage.

Key Roles & Contributions

- Worked as Platform Quality Assurance and Data Analytics Engineer.

- Supported line-listing of zero-dose children, referral tracking, and defaulter follow-up.

- Analyzed immunization gaps and zero-dose patterns to inform outreach strategies.

- Supported dashboard development for monitoring immunization performance.

- Worked closely with state teams, research teams, and field implementers, including field visits to Kano.

- Strengthened data accuracy and usability for program decision-making.


## 3. National Emergency Medical Services and Ambulance System Platform — *BMGF Funded Project*

A national digital platform designed to track ambulance services, emergency response workflows, donor pledges, investments, and claims across Nigeria.

Key Roles & Contributions

- Conducted data quality assurance and workflow validation across ambulance tracking, dispatch, and claims modules.

- Reviewed and validated donor reporting logic to ensure accountability for investments and pledges.

- Designed and validated analytics and performance reports used by leadership to monitor emergency response coverage and funding utilization.

- Coordinated communication between NEMSAS leadership, development partners, and engineering teams.

- Facilitated training and onboarding sessions for national emergency response staff to ensure effective platform adoption.


## 4. SWAP Dashboard – Strategic Workplan for Health Financing & Accountability — *BMGF Funded Project*

A national health financing transparency and accountability platform under the Federal Ministry of Health, where international donors (BMGF, Gavi, UNICEF, and others) report funding commitments and expenditures across programs and states.

Key Roles & Contributions

- Supported development and QA of a multi-level access system (Super Admin, Donor Access, State Access).

- Validated indicators and computations for funding by state, program, cost drivers, interventions, and development deep-dives.

- Led User Acceptance Testing (UAT) and supported national and state-level review sessions.

- Acted as a technical and functional bridge between stakeholders and developers, guiding implementation of new dashboard features.

- Conducted capacity-building sessions for users and supported data interpretation during review meetings.

- Ensured dashboards delivered clear, decision-ready visualizations for health financing oversight.

### 5. READCOOP Transcription & Data Digitization Project — *BMGF Funded Project*

A large-scale data digitization initiative converting financial and program documents into machine-readable datasets for analysis.

Key Roles & Contributions

- Managed the project from inception to completion, delivering over 1,500 validated transcriptions.

- Coordinated and supervised a team of 25+ contributors, ensuring timely and accurate output.

- Conducted quality assurance and validation of digitized records.

- Led partnership implementation with READCOOP using the Transkribus platform.

- Enabled improved data accessibility and analytics readiness for financial records.

### 6. Nigeria Governors' Forum (NGF) Digital Governance & Performance Dashboard

A digital governance and performance monitoring platform supporting evidence-based decision-making at sub-national levels.

Key Roles & Contributions

- Validated data flows, indicator logic, and dashboard computations.

- Ensured indicators were aligned with governance and public sector performance frameworks.

- Supported platform refinement using analytics feedback and stakeholder input.

- Conducted training sessions for end users, enabling smooth adoption and effective utilization of the dashboard.

### 7. National Primary Health Care Agency M&E Mobile App & Dashboard — *BMGF Funded Project*

A nationwide M&E system used across all 36 states to assess health facility performance.

Key Roles & Contributions

- Supported development of a mobile app for facility-level assessments with automated data flow to an interactive dashboard.

- Ensured dashboard enabled state- and LGA-level assessments within the same platform.

- Conducted QA and data quality reviews for assessments covering over 4,000 health facilities nationwide.

- Ensured consistency across DHIS2-linked datasets.

- Delivered continuous training and technical support to state, LGA, and facility users.

- Supported data export and analysis for deeper insights and reporting.

- Participated in national technical review meetings to improve system usability and performance.

## 8. National Primary Health Care Development Agency, PHCIS Mobile App & Dashboard

A national digital system for primary healthcare information management, including service delivery and human resource components. Active since 2022.

Key Roles & Contributions

- Conducted quality assurance, logic checks, and routine data quality reviews.

- Supported national and state-level onboarding of PHC stakeholders.

- Facilitated capacity-building sessions to improve system adoption and correct use.

- Ensured consistency and usability of data for decision-making and reporting.

## 9. National Primary Health Care Agency, Quality Assessment (QA) Dashboard & Mobile App

A digital QA system applying standardized M&E methodologies to assess service quality across PHC facilities.

Key Roles & Contributions

- Led QA checks, indicator validation, and data integrity reviews.

- Supported onboarding of national, state, and LGA users.

- Provided continuous user support and acted as a first-line technical contact for system issues and improvements.

- Contributed to iterative improvements through technical review meetings with stakeholders.

## EDUCATION

2024 – 2025     **Professional Diploma in Data Analytics** (Outstanding – 90%)
*Baze University, Abuja, Nigeria*

2019 - 2021     **MSc Reproductive Biology** (Distinction – 91%)
*Pan African University, University of Ibadan, Nigeria*

2013 – 2017   **BSc Human Anatomy** (Second Class Upper – 75%)
*University of Ilorin, Nigeria*

## HONOURS & AWARDS

*2024 - 2025    IDEAS Emerging Technology Skills Scholarship Programme / Baze University & World Bank*

*2022         Award of Academic Excellence / Undergraduate Scholarship Platform*

*2019 -2021   Pan African University Master Program Scholarship / Reproductive Biology (Award worth of $17,000)*

## CONFERENCES, WORKSHOPS, AND SEMINARS

*Attended / Presented:*

• *Social Norms Conference, 2024 – Anglophone West Africa Learning Collaborative*

• *Patient-Centered Care Workshop, 2020 – University Health Service, University of Ibadan*

• *Seminar on "Harmful Traditional Practices within Africa," 2020 – University College Hospital, Ibadan*

• *Seminar on "Larynx and Laryngeal Cancer," 2017 – University of Ilorin*

• *ISCB Computational Biology Virtual Sessions, 2023*

• *Open Data Science Conference (ODSC) Virtual, 2023*

*Additional Virtual Conferences:*

• *EMBO Global Lecture Series in Molecular & Cellular Biology*

• *Frontiers in Reproductive Biology – Virtual Workshop Series*

• *Global Health & Infectious Disease Webinar Series – Harvard Chan School*

• *Society for Reproductive Investigation Virtual Symposium*

• *Frontiers in Molecular Medicine Online Conference – 2023*

## CERTIFICATIONS AND SHORT COURSES

• *Data Analytics Bootcamp – Alex the Analyst, 2023–2024*

• *R Programming and Graph Networks – University of Geneva, Switzerland, 2022–2023*

• *COVID-19 Combat and Emerging Respiratory Viruses – WHO, 2020*

• *Effective Communication for Healthy Outcomes – YALINETWORK, 2020*

• *COVID-19 Combat Ambassador – MBRU, 2020*

• *Advanced Python for Data Science – Coursera, 2023*

• *Reproductive Health & Infectious Disease Workshop – Online, 2023*

## REFERENCES *[Available upon request].*