Beatus K. Kibiti

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Health Information Systems Advisor

Informatics professional with extensive experience in health management information system development and implementation. Proven success in developing and implementing strategic vision for strengthening the quality, capacity, and utilization of health-related data for programmatic planning and decision-making. Demonstrated ability to develop and execute roadmaps for new and existing health information systems to support data collection, management, visualization, and use. Skilled at providing technical assistance to improve health information system implementation and governance. Adept at managing the team of informatics staff in all aspects of application development including project scoping, timeline and budget estimation, resource planning and monitoring, project execution, and system support. ***Proven expertise in:***

- Data Management
- Data Analysis and Visualization
- Health Facility Registry Management
- Client Registries
- System Implementation and Rollout
- Database Development & Programming
- District Health Information Software (DHIS2)

- User Technical Support & System Documentation
- Requirement Gathering & Analysis
- Information System Review
- Hospital & Laboratory Information System
- System integration & interoperability
- Effective Communication Skills
- System Designs and Development

PROFESSIONAL EXPERIENCE

The Palladium Group – Dar es Salaam, Tanzania (ACHIEVE & Data.FI Project)
HIS Advisor and Data Engineer, April 2021 to Current

Develop standard operating procedures for enhancements and maintenance of the MVC-MIS. Implement updates to analytics and dashboards in DHIS2 to support CQI in situation rooms. Support development of quality improvement module in DHIS2 as per QI workflows (PDSA). Support data modelling and data mart development. Synthesis of requirements, identification, and analysis of data sources for mapping and performing data quality tests to support source system mapping exercise. Define and arbitrate the transformation rules per source system and develop ETLs to populate respective data marts. Perform data profiling functions and interrogation queries against source systems and verify data marts after ETL processes. Maintain data dictionaries/metadata of the source systems and respective data marts. Provide coaching and capacity building to MoH staff in the use of QI module and maintenance of the systems.

Praxis for Health and Development – Dar es Salaam, Tanzania (Consultancy)
HIS Evaluation Expert, October 2020 to March 2020

Conduct a review and summarize national HIS strategies for Mainland; Project implementation plans; and performance reports. Lead writing parts of the inception report regarding assessment of all HIS systems under the project. Develop interview questions for evaluation of HIS systems through user feedback survey, focus group discussion (FGDs) and Key informant interviews (KIIs). Develop checklist to be used for a detailed review of various health information systems supported by the project. Conduct mapping of health information systems supported by the project. Lead data analysis and information synthesis from review of health information systems. Derive impact of health information systems with respect to defined project goals. Develop data presentation visuals to present evaluation findings to the client.

Fintrac (Feed the Future) – Dar es Salaam, Tanzania
Senior M&E Specialist – Database Management, Nov 2019 to March 2021

Maintains Client Impact and Results Information System database with over 100,000 clients and other data management tools. Develops data management plans and data entry protocols for routine data. Designs and develop routine monitoring reports to track technical team performance. Supports data analyses and presentations for monthly, quarterly, and annual reports to highlight project achievements. Participate technical working groups, support the preparation activity annual work plans and budget. Manages 4 Data Entry Clerks and provides capacity building and task management support to 6 M&E Specialists. Leads M&E Specialists in preparation of monthly, and quarterly reports. Identifies staff capacity gaps and provides regular training and technical support to staff in the use various reporting tools.

Key Contributions:

- Development of custom reports for routine program monitoring
- Development of project performance dashboard
- Development of reporting portal for data sharing

The Palladium Group – Abuja, Nigeria (MEASURE Evaluation)
Senior Health Management Information System (HMIS) Advisor, May 2018 to Sep 2019

Develop code to support request from Ministry of Health and perform management and monitoring of the Health Facility Registry. Present expert insights to top management regarding system improvements based on user feedback and best software practices. Improve core-skills of different type of users via coaching and training sessions. Identify system enhancement and new features via collaboration with technical working group.

Key Contributions:

- Enabled the ministry of health systems administrators to manage health facility registry (HFR) through development and implementation of capacity building strategy.
- Re developed the Health Facility Registry (HFR) and ensured fulltime availability.
- Successfully completed the pilot implementation the health facility registry.
- Integrated and automated data exchange between HFR and DHIS2 through web API.
- Developed HFR technical documents and training materials.
- Progress reporting to technical working group.
- Supported the development of disaster recovery plan for the health facility registry

John Snow Inc. (JSI) – Dar es Salaam, Tanzania (MEASURE Evaluation)
Health Management Information System (HMIS) Advisor, July 2014 to April 2018
Developed and improved capacity of health workers to collect, analyze, and use DHIS2 data for decision-making while assisting the Government of Tanzania to implement planned DHIS2 training workshops. Facilitated an interfacing between the DHIS2 and eLMIS to improve correlation and use of data in routine reporting in both systems by collaborating with all stakeholders. Ensured updating of high-quality data into DHIS2 for the use on national and sub-national levels by coordinating Ministry and Regional teams.

Key Contributions:

- Steered development of an appropriate planning, monitoring, management, and control systems to ensure informed decision-making and implementation of project operations.
- Led in country HMIS activities and documented best practices to ensure incorporation of lessons learned into other project activities.
- Devised work plans, budgets, and work reports to USAID and MEASURE EVALUATION headquarters.
- Contributed in the requirement gathering for Tanzania Health Information Mediator (HIM) / Interoperability Layer (IL).

- Supported the development and piloting of DHIS2 MVC module.
- Supported the Ministry of Health in DQAs, Quarterly data quality analysis and review meetings.
- As a national DHIS2 trainers, supported DHIS2 rollout to vertical programs, hospitals and health centers.
- Supported the upgrade of Tanzania HMIS web portal and dashboards.

Napier HealthCare Solutions – Dar es Salaam, Tanzania

Applications Specialist, Sep 2012 to May 2014

Supported implementation of Hospital information and Tanzania regional laboratory information systems. Participated in requirement gathering and analysis as well as configuration and implementation of healthcare solutions. Trained end users on the use of both hospital information and laboratory information systems.

Key Contribution:

- Steered efforts towards system configuration and customization in order to meet client requirements.
- Installed, configured, and customized databases in accordance with client's requirements, moreover, supported and managed laboratory information system databases.
- Developed user manuals for end users and system administrators.
- Configured database replications and automatic data backups.

Marie Stopes International (Tanzania) – Dar es Salaam, Tanzania

Health Management Information System (HMIS) Officer, June 2011 to Aug 2012

Provided technical support to research team and performed monthly data quality check for all clinics and data analysis. Administered servers, system backup, and setup data sharing among different teams.

Key Contribution:

- Ensured highest quality and accuracy of routine clinical data through monthly data analysis and feedback reports to research team.
- Planned and developed client register database for Marie Stopes clinics.
- Managed servers and provided IT support.

*Additional experience as **a Health Management Information System (HMIS) Analyst** at Clinton Health Access Initiative (CHAI), and **Zone ICT Support** at National Microfinance Bank (NMB)*

KEY ACHIEVEMENTS

Data Validation and Reporting Tools - Fintrac Tanzania

Integration of DHIS2 and Health Facility Registry - The Palladium Group Nigeria

Development of Nigeria Health Facility Registry - The Palladium Group Nigeria

Development of DHIS2 Dashboard and HMIS Portal - John Snow Inc./ MEASURE Evaluation Tanzania

Implementation of LABNET Project - Napier Healthcare Solutions

Development of Daily Client Register - Marie Stopes Tanzania (MST)

DHIS2 Pilot Implementation in Southern Zone - Clinton Health Access Initiative

TECHNICAL SKILLS

Python, VB.Net, PHP (Laravel framework), HTML, CSS, Java Script, jQuery, Bootstrap, Git, SQL

Databases: MySQL, Microsoft SQL Server, Microsoft Access, PostgreSQL

Ubuntu Linux, Microsoft Windows Server, Amazon Web Services (AWS)

Power BI, QGIS, Advanced Microsoft Excel, DATIM, DHIS2, CTC2

EDUCATION AND CERTIFICATION

Master of Project Management - The Open University of Tanzania

Master of Science in Health Informatics (Course Work)- University of Dar es Salaam

Bachelor of Science in Computer Engineering & Information Technology - University of Dar es Salaam

Microsoft Certified Technology Specialist: SQL Server 2008 - Implementation and Maintenance.

Microsoft Certified IT Professional: Database Administrator 2008.

Microsoft Certified Technology Specialist: SQL Server 2008, Database Development

Certificate of Instructions in Web Page Designs and Applications

Bi-lingual Proficiency: Swahili & English