

Job Opportunity – Data Visualization Technical Lead

Location: Dar es Salaam

Application deadline: August 26, 2022

Start date: October 1, 2022

Background:

The University of California San Francisco (UCSF) is engaged in a five-year Cooperative Agreement with the U.S. Centers for Disease Control and Prevention-Tanzania (CDC-Tanzania) to provide strategic information and health information systems (HIS) technical assistance to the Ministry of Health, Community Development, Gender, Elderly and Children (MOHCDGEC) as well as the United States' President's Emergency Plan for AIDS Relief (PEPFAR) and their implementing partners (IPs). We are recruiting an individual through our affiliated international NGO 'Global Programs' to serve as a Data Visualization Technical Lead.

This is a full-time position with an initial contract through September 2023 and the possibility of extension subject to continued funding. The position is expected to start on October 1, 2022.

Main duties and responsibilities:

Under the supervision of the HIS Director for Tanzania, the Data Visualization Technical Lead will support the Global Programs in-country team in their work with CDC to continuously improve the quality, analysis, and use of HIV and AIDS-related health data, including through data modelling, data analysis, and visualization. This person will translate programmatic questions into answers through visualizations and dashboards, providing guidance on how to best visualize data and how data can be used to answer programmatic questions and guide programmatic decisions.

Specific responsibilities include:

- Provide guidance on how best to visualize data to respond to programmatic questions and to communicate key findings and analysis results.
- Develop data visualizations using PowerBI and other data visualisation tools
- Support development of new and improved strategies for analyzing and visualizing routine HIV and AIDS data at all levels of the health system
- Lead customisation of DHIS2 implementation (Datasets and Dashboard designs)
- Lead the data modelling processes (using modular BI design)
- Oversee implementation of modular BI approach
- Lead documentation of data dictionaries for various data models

- Analyze routine HIV and AIDS-related health data

Experience, skills, and minimum required qualifications:

- A Master's degree in health informatics, public health, epidemiology, biostatistics, mathematics or related fields or a Bachelor's degree in computer science, software engineering, or information systems with 10+ years of experience in health-related M&E is required.
- Minimum of five years of professional experience working in public health in a data focused position that included both analysis and visualization work.
- Demonstrated data visualization and dashboard development skills.
- Demonstrated knowledge of routine HIV and AIDS health data, including national data collection systems, tools, and reporting.
- Intermediate to advanced knowledge of Power BI or Tableau.
- Knowledgeable on database modelling using entity relationship diagram (ERD).
- Knowledge of DHIS2 customisation and implementation.
- Advanced experience developing data-driven applications utilizing significant relational database engines as part of the overall application architecture (experience with at least two of the following is highly desirable: MS SQL Server, PostgreSQL, MySQL, MS Access).
- Demonstrated oral and written communication skills.
- Advanced knowledge in Python and other common programming languages is an added advantage.
- Ability to work successfully in a team and lead a team.

Other desired skills/qualities:

- Excellent skills in critical thinking and analysis
- Excellent organizational and oral/written communication skills
- Ability to work independently and manage various tasks under tight deadlines
- Ability to prioritize, work under deadlines, work with minimal supervision and multitask
- Strong interpersonal skills
- Fluent in written and spoken English and Swahili

To Apply:

All applicants must address each selection criterion detailed in the minimum requirements above with specific and comprehensive information supporting each item.

All applications must include the following:

- A current CV with names and telephone numbers for at least 2 referees with one referee coming from your current employer

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- Copies of academic and professional certificates

Applications and supporting documents should be sent via e-mail to info.tanzania@ucglobalprograms.org and must be received by August 26, 2022.

NOTE: Only short-listed candidates will be contacted.