Systems Development Officer

Location: [Africa] [Swaziland]

Town/City: Hhohho

Category: Health

Job Type: Fixed term, Full-time

JOB PURPOSE
The Systems Developer will be part of a team responsible for the development and management of the Likusasa Ngeletfu Project Database. The developer will be responsible for managing and maintaining the Database

MAJOR RESPONSIBILITIES		
% of Time	Activity	End Results
25	**Development and maintenance of Information systems:** Develop new modules in the existing mobile application and maintain existing data collection applications and data management systems. Provide support in maintaining the database and maintenance of all Application programming interfaces that are linked to the DREAMS database	Functional Database

	Quality assurance of DHIS2 and other data management systems across all projects and data warehouse	
25	**Elicitation, documentation and implementation of user requirements :** Gather and document requirements on edits that may be required in the database including visualizations and addition of content to the database. Review, prioritize and implement user requirements identified that are essential for improving system performance. Work with SI and Programs staff to test implemented user requirements	Functional system
20	**User training and provision of technical assistance** Provide user training and update the database user training manuals and all administrator manuals.	Trained personnel on the use of the database.

	Document all training needs for users of the database and users of existing data management systems Identify and integrate emerging data management resources and train users on said technologies Provide ongoing technical assistance to program and SI staff to effectively utilize the Database and other technologies for data management	
20	**Data Quality management** Work in collaboration with M&E team to institute data quality assurance measures in the data management systems Continuously review and analyze data for quality standards and highlight any issues arising to the SI team for action	Captured data meeting required standards.
10	**Troubleshoot issues that may arise from the database** Analyze systems performance,	Linkages between WVE workspace and DREAMS Database

	identify challenges, troubleshoot and Produce regular reports Provide a summary of all data uploads that occur between the WVE Mobile application and the DREAMS database	

| Required Professional Experience | 3+ years of experience in the development and operations of health information systems

Experience working with donor reporting to donor (DATIM)

Experience in rollouts of data management systems from National to community level

Experienced in applying user-centered requirements processes for systems design

Experience developing web-based and mobile applications, web-oriented programming language (e.g. Java, Java Script), and Unix/Linux system management.

Experience in working with scripting languages (JavaScript in various forms e.g. Node.js, Ajax etc.)

A strong understanding and working |

	knowledge of database design and conceptualization Working knowledge of database management systems (SQL server or MySQL preferred) Strong analytical skills
Required Education, Training, license, registration and certificate	• Bachelor's degree in computer science, Computer Engineering
Preferred Knowledge and Qualifications	• Excellent interpersonal, facilitation, team building and problem-solving skills. • Demonstrated ability to establish and sustain professional relationships. • High integrity, self-driven, team player able to work with minimum supervision. • Good command of both official languages (English and SiSwati). • Excellent written and oral communication skills.