**Job Description for Recruitment of a Junior Programmer/Systems Administrator**

**Introduction**:

The [COUNTRY LEAD INSTITUTION] in partnership with the [COUNTRY SECOND LEAD INSTITUTION] is implementing the [NAME OF THE SYSTEM] in [COUNTRY]. The project aims to develop a nationwide sample registration system (SRS) to record pregnancies, births and deaths; and carry out verbal and social autopsy of deaths identified. The [COUNTRY LEAD INSTITUTION] is looking to recruit a junior programmer to assist the implementation of the [NAME OF THE SYSTEM] project.

In concert with the [NAME OF THE SYSTEM] management team, the junior programmer will assist in the development and management of large-scale community-based electronic data collection system and provide hardware and programming support to data collection operations.

**Based in**: [Capital City]

**Employment type:** X% for twelve months

**Major responsibilities include:**

* Hardware, basic maintenance: Configure and charge Tablets; Install software; Manage accounts; Troubleshoot minor errors; Replace hard drives; Install BIOS battery, Upgrade memory, Cleaning, Printer cleaning, Router Configuration, Power management, Inverter operation
* Programming: Providing support for day-to-day database and data entry screen problem solving
* Procedural: Assist in development, implementation, and management of basic operational procedures of the [NAME OF THE SYSTEM] data center; Support Users.

**Qualifications:**

* Hardware maintenance
* Programming experience
* Knowledge of basic network administration

**Preferred Qualifications:**

The following qualifications are preferred:

* Experience with offline tablet-based data collection systems, specifically ODK (Open Data Kit) or ODK-based systems
* Web programming languages and frameworks: Java, JAVASCRIPT, HTML/CSS
* System Administration: Managing Linux Servers & Apache Tomcat, Configure security, Manage accounts, Install SSL, Install updates, Monitor security
* General programming experience: design, flowcharting, coding, testing, debugging, documentation
* Relational Database experience: Backup management, data import, and data export, query writing, table/view design. Specifically, PostgreSQL, MySQL, or SQL Server
* Web applications deployment and maintenance
* Experience with Research/Science/Public Health
* Networking: Knowledge of basic network administration, including networking printers, user management, router configuration, understanding of client-side/server-side dynamics

The junior programmer may be required occasionally to travel to the field sites in various parts of Mozambique to discuss data collection and management issues with the [NAME OF THE SYSTEM] field management team. He/she will be expected to be proactive in self-learning and may be asked to attend short-term classes to strengthen specific skills.

**To apply:**

Please email a cover letter highlighting your relevant education, experience and skills and an updated CV to the following individual. Screening will start immediately on a rolling basis. The position will be filled once a suitable candidate is identified, so early application is encouraged.

Please send application materials or questions to:

Ms./Mr. [NAME]

[EMAIL]