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**Job Description for Recruitment of a Senior Programmer/Analyst**

**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 senior programmer to assist the implementation of the [NAME OF THE SYSTEM] project.

The senior programmer will assist in the development and management of a large-scale community-based electronic data collection system and provide hardware and programming support to data collection operations.

In concert with the [NAME OF THE SYSTEM] management team, the senior programmer will be required to create and maintain a data collection system (database, web forms, and reports) for a national sample registration system or sample mortality surveillance system. Individual will also assist in development, implementation, and management of basic operational procedures of the [NAME OF THE SYSTEM] data center.

**Based in**: [Capital City]

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

**Major responsibilities include:**

* Providing support for day-to-day database and data entry screen problem solving
* Querying the databases using SQL interface
* Development of systems for automatic communication with other servers, API’s, automated reports
* Design and creation of web applications and SQL database.

**Qualifications:**

* Full-Stack web development experience
* Object Oriented Programming using: Python, Java OR .NET
* PostgreSQL, MySQL **OR** MS SQL Server. Individual must have experience with relational database design and administration:
  + Individual must be able to design, create, and manipulate tables
  + Individual must be able to design and implement simple and complex queries/statements using structured query language (SQL), including basic operations (select, insert, delete, update), join statements, view creation and manipulations, triggers
  + Design and implementation of stored procedures
  + Backup management, data import, and data export
* Client development languages and framework: HTML, Javascript, and CSS. Experience with Bootstrap, React, Typescript, or Material UI is a plus
* Development Environment (IDE) Experience with MS Visual Studio, VS-Code, Eclipse, Cursor, or similar
* General programming experience: requirements development, design, flowcharting, coding, testing, debugging, documentation

**Preferred Qualifications:**

The following qualifications are preferred:

* Experience with ODK (Open Data Kit) offline data collection, or similar ODK-bases systems (Kobo, Ona)
* Linux Server Management, Apache Tomcat
* Networking: Knowledge of basic network administration
* Research/Science/Public Health

The senior programmer may be required occasionally to travel to the field sites 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]