

GLOBAL PROGRAMS for Research & Training

Affiliate of the University of California, San Francisco

THE COMPANY:

The University of California San Francisco (UCSF) through its affiliate international NGO Global Programs for Research and Training (GP) is engaged in several projects in Namibia that are funded by the U.S. Government to provide technical assistance to the Ministry of Health and Social Services (MOHSS) and its partners.

Position: Junior Software Developer
Report to: HIS Software Developer
Location: Windhoek, Namibia
Period: September 2021 to September 2022

JOB SUMMARY:

Assist developing informatics solutions to support critical public health strategic information needs in Namibia, with a focus on OpenMRS. Support NAMTAC with its data needs by developing databases, dashboards, apps, and other software to support and meet the needs of specific programs. Under the technical supervision of the HIS Software Developer, the Junior Software Developer will support the department with more straightforward continued development, improving P-Tracker user interfaces, development of basic reports and dashboards, and achieving interoperability between P-Tracker and DHIS and NIP system.

REQUIRED MINIMUM EDUCATION:

- Appropriate degree in Computer Science, information systems or software engineering with a focus on software development or equivalent degree.

REQUIRED MINIMUM (relevant) WORK EXPERIENCE:

- At least three years working experience in a similar role or with demonstrable experience in software development.
- At least two-year experience in developing information systems, in popular languages such as Java, PHP, Python, or C#. Open-source languages are highly preferable.
- Demonstrable experience in working with databases and SQL, including writing SQL queries.
- Working experience with software development and maintenance tools like Spring, Hibernate, jQuery, Subversion, Git, Restful web services, Agile methodology, PowerBI and SSRS, Android SDK.
- Exceptional computer literacy skills including experience with Microsoft Office, Excel and PowerPoint.
- The tenacity and the ability to work closely on a team with stakeholders and peers.

KEY PERFORMANCE AREAS (Roles and responsibilities):

1. Design and development:

- Database specifications - based on agreed specifications, design, develop and maintain SQL based databases, primarily using open-source tools such as MySQL and PostgreSQL
- Support the development of web-based dashboards including web apps that summarize, display, visualize data, according to specified guidelines and create SQL views to enable data download for further analysis.
- Develop output reports using popular reporting tools (such as SSRS reports) that pre-analyze and visualize data and allow other people to pull those reports online (through a website/dashboard).
- Interphase Development – develop interfaces for interoperability to enable data syncing, exchanging, and comparison between P-Tracker and databases.
- Organize and engage testers to participate in systems testing and collate feedback that can be used to further improve P-Tracker.

2. Maintenance and Hardware:

- Determine the appropriate frameworks, tools, and technologies to be used for implementing any database or information system, taking context, existing capacity, and other guiding principles (e.g., open source, already in use in the health sector) into account.
- Software Licensing: obtains licenses software by obtaining required information from vendors; recommending purchases, testing, and approving products.
- Create regular system maintenance, backups and the relevant record keeping and storage of data at the National level.
- Responsible for systems installation and overall routine server maintenance.

3. Support and Collaboration

- Collaborate with the UCSF/GP team, stakeholders, government, and donors to establish needs and requirements for any database or information system.
- Support skills transfer and capacity building within MOHSS HIS and IT staff in software development, data capturing and processing.
- Provide technical support of all P-Tracker hardware and tools to ensure that security protocols are implemented.

4. Documentation, Training and Development

- Assist with development of technical and/or training materials for P-Tracker.
- Continuous Learning – updates job knowledge by studying state-of -the-art development tools, programming techniques and computing equipment; participating in educational opportunities; reading professional publications; maintaining personal networks; participating in professional organizations.

Interested?

We offer an attractive package commensurate with qualifications and experience. The closing date is **6th August 2021**. Email your cv and application letter to,

Info.Namibia@ucglobalprograms.org. **Only electronic CVs from qualified NAMIBIANS will be accepted.**