

## DHIS2 Engineer - Short-Term Consultancy

Namibia

Akros is a cutting-edge organization that establishes data-driven systems that improve the health and wellbeing of disadvantaged communities. We pride ourselves in our ground-level knowledge of the health systems where we work, and our ability to provide novel, lasting solutions implemented in developing regions.

### Background

Akros Research is supporting a 3-year program, funded by the Mastercard Foundation and in partnership with the Africa CDC, to increase Covid19 vaccine uptake in Africa. This initiative, called Saving Lives and Livelihoods, includes multiple components and partners working to procure, distribute, and promote vaccine uptake in a safe manner. As a part of this consortium Akros Research will support Africa Union member states in the Eastern and Southern African regions to strengthen COVID-19 vaccine safety surveillance systems.

The Consultant will work with Akros Research to provide direct engineering support to the Namibian Ministry of Health and other relevant stakeholders to improve the existing DHIS2 instance for AEFI reporting, and any other modules within the national DHIS2 platform that require support in order to deliver a fully functioning system for safety surveillance. The Consultant will actively liaise with key actors within the respective government, district and sub-district stakeholders, stakeholders participating in the COVID-19 response, HISSP, and Akros Research senior management and software development teams to facilitate the realization of activity objectives. The engineer will be responsible for conducting initial scoping to document user challenges and requirements, execute fixes and changes to key business processes within the system, conduct testing and support final rollout, and provide comprehensive documentation. Quality assurance will be overseen by Akros Research and the Namibian MOH HIRD.

### Specific Responsibilities

The CONTRACTOR shall provide services and be engaged as Consultant and will be responsible for the tasks outlined below:

- Support requirements data gathering processes including revising forms, drafting system outputs, and reviewing findings with MOH relevant units and Akros Research
- Overall quality and timely delivery of system build including:
  - production of data dictionary, indicator lists, permission groups, and user registry
  - build and/or strengthening of electronic forms and program staging (as needed based on the existing system)
  - Build and/or strengthening of visualization outputs and example dashboards
- Overall quality and timely delivery of documentation and knowledge management products, including:
  - Job aids and summary end-user manual for the MOH
  - Knowledge management site for users





- SOP protocols for management and supervision (central and country levels)
- Alpha testing, including:
  - Testing, training, and live data entry with MOH and Akros personnel
  - System modification to incorporate feedback
  - Remote testing of modified system with country-level personnel
  - Moving test instance to production server
- Beta testing, including:
  - Creating a training deck
  - Remote, two-day training for central staff and management
  - Remote field support for post-training data collection
  - System modification to incorporate field findings
  - Ongoing supervision of activities
- Live deployment
  - Lead remote launch of live platform
  - Potentially travel to Namibia for in-country support and capacity building
- Ongoing support
  - Remote ticketing support as needed during the post-deployment phase
  - Versioning support and material adaptation as needed in the post-deployment phase
- Code documentation
  - Ensure all codes are saved in their entirety on MOH internal system with complete access to relevant MOH staff

## **Minimum Qualifications**

- Bachelor's degree (required) or Master's degree (highly preferred) in Computer Science, Software Engineering or a related field.
- 5-10 years of DHIS2 configuration, implementation and strong understanding of the data model required
- Knowledge of development of scripting and utility tools, use of Web APIs, and SQL.
- Strong experience working with Government's Ministries of Health, donors, districts and sub-district structures and managing a dynamic team.
- Previous experience with project and organizational representation to the Ministry of Health at national/regional/local levels is an added advantage.
- Self-starter who will thrive through exemplifying ownership and initiative
- Analytical skills and knowledge of systems engineering software tools is an added advantage
- Demonstrate strong data architecture and programming proficiency
- Excellent technical writing, quantitative and critical thinking skills
- Excellent computer skills with fluency in Excel, Word, PowerPoint
- Candidate should be highly productive and internally motivated
- Candidate should work well against complex and challenging delivery schedules
- Candidate should be culturally adaptable and sensitive
- Demonstrated ability to operate with minimal instruction in a fast-paced environment



- Namibian national preferred

**Location and Term**

This position is short-term not exceeding 2 months and can be based remotely with the required two-week travel to Namibia. The position is open to local candidates.

**Reporting**

This position will report directly to Country Manager

**Application Instructions**

Submit applications by September 20th. Candidates are encouraged to apply early. To apply, please submit a cover letter and CV with references to [careers@akros.com](mailto:careers@akros.com) with "Application: SLL Programme – Namibia HIS Consultant" as the email's subject line.

