

Data Systems Expert (DHIS2 focus) Terms of Reference

Post Summary	
Job Title: Reporting to: Contract Type: Location: Starting Date: Application deadline: Send CV and cover letter to :	Data Systems Expert (DHIS2 focus) Oriole Global Health Ltd Consultant pool Remote Candidates will be engaged on a rolling basis Applications reviewed continuously through August 2022 info@orioleglobalhealth.com
Background and Summary of the job posting	
<p><i>Oriole Global Health (OGH)</i> is a global health consultancy headquartered in London, United Kingdom, with regional offices in Halifax, Canada and Nairobi, Kenya. Our team and global network of internationally renowned academics and technical specialists help define current and future health challenges and formulate robust and scalable solutions in developed and developing contexts.</p> <p>OGH is continuously engaging in work relating to the development of programmatic and national data systems for which a strong core team of epidemiologists, data analysts, software developers and data systems experts is required. The team is currently seeking to expand given the nature of ongoing projects and upcoming opportunities in this area and is therefore adding to our roster of data systems experts with experience in building and maintaining health data systems.</p> <p>The immediate need requires individuals adept (or who can become adept) in the use of <i>DHIS2 (District Health Information System)</i> in low- and middle-income settings. DHIS2 experts, as well as individuals with more general backgrounds with an interest in applying their skillsets in a such a setting are invited to submit their interest.</p>	
Role	
<p>The Data Systems Expert will support in the design, implementation, roll-out and maintenance of data systems (DHIS2 and other) on a range of projects. This will include direct and close collaboration with ministries of health (initial focus on East Africa including ministries in Kenya and Sudan) and disease and operational specialists, as part of the data team at OGH to ensure that solutions are built for purpose and serve the needs of users. Opportunities may also arise to apply skills to, and develop skillsets in, data analysis and software development.</p> <p>Knowledge of health data systems is desirable, but second to good overall data systems knowledge coupled with the ability to work as part of a team with a range of experts to produce high quality, targeted data solutions, and an ability to adapt to different software solutions where required.</p>	
Main tasks and responsibilities	
<ul style="list-style-type: none"> • Evaluate and assess existing data systems and identify inefficiencies and areas for improvement • Design and implement conceptual, logical and physical data models • Develop data pipelines and data collection tools • Write queries to interrogate and analyse databases • Configure and maintain database server infrastructure • Develop documentation relating to any data systems developed/updated • Enforce data security to protect stakeholder interests 	

Essential Selection Criteria (Person Specification)

Skills and competencies

- Strong quantitative skills
- Fluent in English with excellent communication skills – verbal and written
- Demonstrated experience of delivering results independently and on time
- Ability to communicate with technical and non-technical stakeholders to understand their needs and requirements
- Knowledge maintaining relational databases and Structured Query Language (primarily Postgres SQL)

Experience:

- 3+ years of designing, implementing and maintaining data systems
- Experience working in a team composed of individuals with varied backgrounds

Desirable Selection Criteria

Skills and competencies

- Fluency in a second language (particularly French and/or Arabic)
- Linux operating system – configuring and maintaining
- Basic Web Development skills (Single Page/Multi Page applications, Javascript, HTML/CSS)

Experience:

- Experience in configuring DHIS2 systems and implementing aggregate datasets, event programs and tracker programs.
- Experience working with health data
- Experience in working with national/international public health organisations
- Experience in maintaining cloud based services (Google Cloud, AWS)
- Experience with ETL pipelines and solutions
- Experience in designing rich, interactive web applications