Job description for the Business Analyst role: (Based in Zimbabwe-Harare)

The Ministry of Health and Child Care (MoHCC) of Zimbabwe and one of its key technical assistance partners, Vital Wave, are looking for a business analyst to ensure the alignment of business and operational processes, software development, and solution rollout for a health information software solution currently being deployed nationwide. This role is part of an initiative in which Vital Wave will provide targeted technical assistance (TA) to the Ministry of Health and Child Care (MoHCC) in Zimbabwe to build a strong foundation for interoperable health information systems (HIS), support the government's unified vision for near real-time, patient-level data, and improve health services for critical programs including HIV/AIDS through its Impilo Electronic Health Records (EHR) system.

The individual would join an existing project team and work under the direction of Vital Wave and the MoHCC. This person will identify gaps in current processes and help identify both process and technical solutions that could help address these gaps in the context of the software deployment roadmap.

Responsibilities:

- Work with the MoHCC team and existing partners to establish business process requirements in line with solution deployment goals identified in the software development roadmap
- Review and analyze existing business processes of the software development team with respect to solution governance, facility training, and data use and identify current gaps
- Determine strategies for closing identified gaps in business processes and practices across key technical assistance packages and programmatic workstreams
- Communicate business requirements and needed action steps to software development team and MoHCC technical and programmatic partners
- Conduct visits to health facilities and administrative offices as needed to gather inputs for business and technical requirements

Qualifications

- Demonstrated experience in performing business analysis for health software development projects
- Experience working with software developers and in software development operations and understanding of the software development lifecycle
- Experience using business analytical tools
- Excellent written and oral communication skills
- Ability to participate in calls and meetings outside of regular business hours (e.g., in the evening CAT)

Interested candidates should submit their CVs to impilo.ta@vitalwave.com with the title "**Business Analyst** " in the subject line of the email. Only short-listed candidates will be contacted.

Deadline: **24 November 2021**

Job description for Technical Analyst role: (Based in Zimbabwe-Harare)

The Ministry of Health and Child Care (MoHCC) of Zimbabwe and one of its key technical assistance partners, Vital Wave, are looking for a software engineer with demonstrated experience in software development operations and working with health information technologies and standards to join a team that will be providing technical assistance to an existing software development team. This role is part of an initiative in which Vital Wave will provide targeted technical assistance (TA) to the Ministry of Health and Child Care (MoHCC) in Zimbabwe to build a strong foundation for interoperable health information systems (HIS), support the government's unified vision for near real-time, patient-level data, and improve health services for critical programs including HIV/AIDS through its Impilo Electronic Health Records (EHR) system.

The individual would join an existing project team and work under the direction of Vital Wave and the MoHCC. This person will take an analytical approach to understanding existing technologies and will work collaboratively with team members to strengthen processes and technical documentation, as well as writing and reviewing code and implementing best practices.

Responsibilities

- Review and contribute to the software development roadmap, software requirements, technical designs, and specifications.
- Assess and document current software development operations practices and work with the software development team to institute industry-standard practices in software development operations including testing, and continuous integration / continuous deployment (CI/CD).
- Review and contribute to code including web application, mobile applications, and importantly, microservice and API scripts for system-to-system integration.
- Review and map software databases and support the software development team to harmonize data definitions with health data standards.
- Conduct system testing, validation and training procedures.

Qualifications

- Demonstrated experience in delivering solutions using an industry standard software development lifecycle (e.g., agile waterfall, scrum).
- Experience working with version control, testing, change management, and continuous improvement protocols.
- Experience working with containerization (specifically Docker).
- Experience designing and establishing software and API integrations including working with RESTful services, XML, XSLT, and JSON, with an understanding of SOAP.
- Experience working with microservice development and Command Query Responsibility Segregation (CQRS) event sourcing architectures.
- Experience developing web applications with Angular and/or AngularJS frameworks.
- Experience writing and maintaining technical documentation, manuals, and standard operating procedures.
- Ability to participate in calls and meetings outside of regular business hours (e.g., in the evening CAT)

Preferred experience

- Experience working with health data standards such as HL7 V2.x, FHIR, DICOM.
- Experience with Axon framework
- Experience working with EHR, PACS information systems or other patient-level data systems.
- Experience working with RabbitMQ, Mirth, MuleSoft, Apache Kafka or other interoperability layer / messaging

Interested candidates should submit their CVs to impilo.ta@vitalwave.com with the title "**Technical Analyst** " in the subject line of the email. Only short-listed candidates will be contacted.

Deadline: **24 November 2021**

Job description for Information Security Analyst role: (Based in Zimbabwe-Harare)

The Ministry of Health and Child Care (MoHCC) of Zimbabwe and one of its key technical assistance partners, Vital Wave, are looking for an information security analyst with demonstrated experience in IT security, database, and network management to join a team that will be providing technical assistance to an existing software development team. This role is part of an initiative in which Vital Wave will provide targeted technical assistance (TA) to the Ministry of Health and Child Care (MoHCC) in Zimbabwe to build a strong foundation for interoperable health information systems (HIS), support the government's unified vision for near real-time, patient-level data, and improve health services for critical programs including HIV/AIDS through its Impilo Electronic Health Records (EHR) system.

The individual would join an existing project team and work under the direction of Vital Wave and the MoHCC. This role will work collaboratively with software development team members to routinely monitor, investigate, and address potential security vulnerabilities in health information systems, as well as writing technical and process documentation.

Responsibilities:
- Enable encryption of the event stream
- Develop security guidelines and standard operating procedures to maintain secure development environment, management of credentials, auditing of logins and data access
- Assess security measures of national data center host environment
- Develop SOPs for Development Operations security (e.g., secure servers, private networks, data transmission, user access, and auditing)
- Enable encryption at rest and in transmission for all database transmissions
- Institute secure access management protocols for databases

Qualifications:
- Bachelor's degree in computer science or related field.
- Experience in information security or related fields.
- Experience with computer network penetration testing and techniques.
- Experience managing databases and network infrastructure.
- Understanding of data encryption techniques, firewalls, proxies, and antivirus.
- Ability to identify and mitigate network vulnerabilities and explain how to avoid them.
- Understanding of patch management with the ability to deploy patches in a timely manner while understanding business impact.
- Experience working with and ensuring confidentiality of personal identifiable information (PII) and protected health information (PHI)
- Ability to participate in calls and meetings outside of regular business hours (e.g., in the evening CAT)
- Possession of the below certifications will be an added advantage
  - Certified Information Systems Security Professions (CISSP) Certified Information Security Manager (CISM)
  - Certified Ethical Hacker (CEH)

Interested candidates should submit their CVs to impilo.ta@vitalwave.com with the title **"Information Security Analyst** " in the subject line of the email. Only short-listed candidates will be contacted.

Deadline: **24 November 2021**