

REQUEST FOR EXPRESSIONS OF INTEREST

DATA ENGINEER CONSULTANT

Country: The Commonwealth of The Bahamas

Supporting Institution: Inter-American Development Bank

Programmes: Program to Support the Health Sector to Contain and Control Coronavirus and to Mitigate its Effects in Service Provision & Programme to Support the Health

System Strengthening of The Bahamas

Project Number: BH-L1053 & BH-L1055

Loan Number: 5179/OC-BH & 5296/OC-BH

Sector: Health

Deadline: 8 September, 2023

Consultancy: Data Engineer

Consultancy Location: Nassau, The Bahamas

Reports to: IS4H Programme Lead – Ministry of Health & Wellness

The Ministry of Health and Wellness (MOHW) of The Bahamas has received financing from the Inter-American Development Bank (IDB), toward the cost of the Program to Support the Health Sector to Contain and Control Coronavirus and to Mitigate its Effects in Service Provision & the Programme to Support the Health System Strengthening of The Bahamas and intends to apply part of the proceeds for the consulting services of a Data Engineer Consultant. The successful individual will work as a part of the MOHW on a contractual basis and report to the IS4H Programme Lead (or other designated alternate). The successful individual will also work collaboratively with other leaders from across the Ministry of Health and national health system stakeholders, as well as with other ministries and international partners. The successful individual using various methods will be responsible for transformation of raw data into useful data systems and will build dashboards using business intelligence tools. For example, you will create SQL statements, algorithms and conduct statistical analysis. You will work with Vendors, Business Analysts, Developers and Project Managers throughout the software development life cycle. In this role, you should be a team player with a keen eye for detail, problem-solving skills, and a passion for digital transformation through technology. This contract is expected to be completed in a twenty-four-month period starting in November 2023.

Main Responsibilities

The main objective of this consultancy is to improve the quality and usability of data captured by key stakeholders and by systems implemented by the IS4H Project Team and vendors. The IS4H Team comprises information and communications technology experts and is led by the Information Systems for Health Programme Lead under guidance from the National IS4H Steering Committee and the Office of the Chief Medical Officer in the Ministry of Health & Wellness. The consultant will ensure the highest level of customer service delivery and will:

- Analyze and organize raw small and large datasets
- Build data systems and pipelines using query languages
- Evaluate business needs and objectives to understand reporting requirements
- Interpret trends and patterns to make recommendations on improving
- Conduct complex data analysis and report on results
- Prepare data for prescriptive and predictive modeling

- Combine raw information from different sources
- Explore ways to enhance data quality and reliability
- Identify opportunities for data acquisition

The Successful Candidate will have the following skills:

- **Education:** A minimum of BSc degree in Computer Science, IT, or similar field. A post graduate degree is a plus
- **Experience:** Minimum of 5 years of experience as a Data Engineer or in a similar role
- **Languages:** Strong writing, communication, and presentation skills in English
- **Core and Technical Competencies:** Technical expertise with data models, data mining, and segmentation techniques. Knowledge of programming languages (e.g. Java and Python). Hands-on experience with SQL and NoSQL database design. Great numerical and analytical skills. Demonstrated ability and desire to work collaboratively and build relationships with stakeholders. Attentive to detail, accurate and well organized. Cooperative and willing to assist others and work in a team environment. Observe and maintain confidentiality.

The Ministry of Health & Wellness now invites eligible Consultants to indicate their interest in providing the Services. Interested Consultants should provide information demonstrating that they have the required qualifications and relevant experience to perform the Services. Consultants will be selected under the National Competitive Bidding Selection procedures set out in the IDB's: Policies for the Selection and Contracting of Consultants financed by the IDB and it is open to all eligible bidders as defined in these policies. Only Short-Listed Individuals will be contacted.

Further information can be obtained by e-mail: MOHWPEU@BAHAMAS.GOV.BS. All CVs and qualification documents must be submitted Re: **Data Engineer Consultant** to the following e-mail address: MOHWPEU@BAHAMAS.GOV.BS on or before 5:00 pm on **8 September, 2023**.