Request for Expression of Interest GE/CON 001-2024

Senior Data Analyst to Support the Further Development of the Unified Migration Data Analytical System (UMAS)

Estimated Start Date:	**1 June 2024**
Estimated Closing Date:	**15 September 2024**
Duration and workload:	**53 working days over a period of 3.5 months (15 working days per month)**
Type of Contract:	**Consultancy Contract**
Location:	**Tbilisi, Georgia**

As part of a project implemented by the International Organization for Migration (IOM) and funded by the State Secretariat for Migration of the Swiss Confederation, IOM is looking for a highly experienced **Senior Data Analyst**, who has relevant expertise in the following fields:

1. Nature of the consultancy:
In the context of IOM's support to the Public Services Development Agency (PSDA) of the Ministry of Justice of Georgia in developing the capacities and potentials of the Unified Migration Data Analytical System (UMAS), IOM is soliciting expressions of interests for one specific function to be occupied by an IT expert, as outlined under section 4 below.

2. Project Context and Scope:
IOM has been supporting the PSDA in building capacities of the Unified Migration Data Analytical System (UMAS). This system has been developed as the central repository of migration-related data that are collected by the line ministries in Georgia that carry responsibility for the registration of foreigners in Georgia.

IOM's technical support to the UMAS, administered under a project funded by the State Secretariat for Migration of the Swiss Confederation, will aim at bolstering capacities in the PSDA and the contributing line ministries to analyse migration data and build evidence, based on which the SCMI and its constituent entities can develop policies and institutional mechanisms to deal with evolving migration challenges.

The PSDA requires technical support, which is available at the Georgian market, to offer the following support services to:

1) Finalize the integration of employment records of labour migrants from the Ministry of IDPs from the Occupied Territories, Labour, Health and Social Affairs (MoLHSA) into UMAS:
   - Create data model and integrate it into the UMAS core data model.

- Implement program units ("Jobs") through which the data will be processed from source to report delivery platform.
- Integrate program units ("Jobs") into the automation software ("Airflow").
- Implement at least one report where MoLHSA data will be used.

2) Finalize the migration of Revenue Service data from the old to the renewed version of UMAS:
   - Implementation of the program units ('Jobs') that will be used to transfer the data into the renewed System.
   - Implement at least one report where the Revenue Service data will be used.

3. IOM Project to which the Consultant is contributing

"Effective Migration Governance for Sustainable Return and Reintegration of Georgian Citizens" (IOM reference: MS.0011).

4. Responsibilities and Required Qualifications / Work Experience

4.1   General requirements:

- The candidates for the below-detailed vacancy shall have demonstrable more than 3 years professional experience in the IT field and certifiable specialized expertise in the function-specific skills and qualifications that are outlined in section 4.2.

- The candidates for the below-detailed vacancy shall present certifiable proof of relevant educational background in IT or related spheres.

- The candidates for the below-detailed vacancy shall have Georgian as native language and have a professional command of English IT terminology.

- Previous knowledge and practical experience of working with big data systems, such as the UMAS system, and experience in migration data processing will be considered a strong asset.

4.2   Function-specific responsibilities and required qualifications:

Expert profile: Senior Data Analyst (1 person)	*Responsibilities:*
	• Analyze the existing data model and find solutions to integrate new data. • Implement data pipelines with Spark/Scala to transport data from source to end products. • Analyze, assess, improve and document cleaning, formatting, validating and transforming rules. • Present information using data visualization techniques.
	Required Skills and Qualifications

	• More than 3 years of experience in Data Science/Big Data Analytics/Data Engineering. • Proven experience in Data Modeling (3NF, Dimensional, Data Vault 2.0, Data Lake). • Demonstrated programming experience in Spark/Scala and SQL. • Understanding of reporting & data visualization tools such as Business Objects, PowerBi and Tableau. • Experience with processing migration-related data will be considered a strong asset.

5. Duration of Assignment
3.5 months (tentative period: 1 June 2024 – 15 September 2024).

Notes
Appointment will be subject to internal procedures and certification that the candidate is medically fit for appointment.

How to apply:

For the selection process the interested candidate should send his/her resume (CV) in both English and Georgian languages and a motivation letter in the Georgian language by e-mail to: iomtbilisi@iom.int. Please explicitly indicate in the e-mail subject **"Candidate's Surname-Senior Data Analyst GE/CON 001-2024".**

Please be informed that only those candidates will be contacted who have been short-listed for the interview stage.

No telephone calls please.

For more information on IOM go to https://georgia.iom.int/ or www.iom.int

Posting period:
The deadline for applications is **24 April 2024.**