



United Nations System Staff College (UNSSC)

Individual Consultant

Vacancy No:	IC/006/2021
Title:	Individual Consultant – Data Engineer
Organizational Unit:	UNSSC Office of the Director
Duty Station:	Turin, Italy
Estimated time effort:	60 days starting as soon as possible
Proposed remuneration:	250 USD per day
Deadline for application:	07 July 2021

The UNSSC is committed to diversity and inclusion within its workforce, and encourages candidates, irrespective of gender, nationality, religious and ethnic backgrounds, including persons with disabilities to apply.

Background

The United Nations System Staff College (UNSSC) is headquartered in Turin (Italy). It is the primary provider of inter-agency training and learning for the staff of the United Nations system and its partners. Its overall objective is to promote and support UN inter-agency collaboration, increase the operational effectiveness of the UN system as a whole and provide UN staff with the required skills and competencies to face today's global challenges.

UNSSC designs and delivers a variety of learning and training activities online and face-to-face to effectively respond to the cross-agency, far-reaching reform agenda of the United Nations.

In line with its Strategic Plan, UNSSC aims at *applying data analytics for efficiency gains, programme improvement and better decision-making*, with a view to enhance and develop learning programmes that are relevant and respond to client needs; as well as create operational efficiencies.

The capacity to manage and utilize data plays a crucial role in achieving these results, and UNSSC is currently aiming at improving its data management practices and processes with a view to improve data-informed decision-making.

Against this backdrop, UNSSC is looking for an experienced data engineer consultant to help align its data systems with organizational goals, by building/ optimizing data pipelines and architectures to support the production of meaningful analytics.

Results Expected

The overall focus of the consultancy will be improving the quality of data management within UNSSC. In particular:

1. **Optimizing Data Collection Processes:** analyse and optimize existing data collection methods and processes, including – when possible - integrating different systems to create a single source of truth (SSOT);

Deliverables:

- Examine the overall data architecture and identify possible risks, areas of improvement and solutions to improve quality and safety
- Test and optimize existing synergies between platforms (Salesforce/Drupal/Moodle)
- Identify best option for integrated survey management solution

2. **Optimizing Data Management Processes:** the focus will be on optimizing existing workflows and data architecture within UNSSC Customer Relationship Management (CRM) system (Salesforce);

Deliverables: review existing and build new, more efficient CRM workflows

3. **Enhancing Business Intelligence Capability:** analyse tools, methods and techniques in use and identify best solutions to optimize statistical efficiency and quality

Deliverables: written report with recommendations for implementing most efficient BI tools.

4. **Supporting other UNSSC initiatives on system design architecture and AI**

Deliverables: review and harmonization of processes for data collection and usage.

Qualifications required

Education: Advanced university degree (Master's degree or equivalent) in computer science, information systems, statistics, applied mathematics, data management, information science or a related quantitative field. A first-level university degree in combination with qualifying experience may be accepted in lieu of the advanced university degree.

Experience: 3 to 5 years of progressively responsible experience in data management, integration, modeling, optimization, and other relevant areas is required.

Proven experience in designing data integration and pipeline architectures.

Experience in Artificial Intelligence, particularly Machine Learning techniques for data mining and extraction of large amounts of data is desirable.

Familiarity with Salesforce applications will be an advantage.

Language: Fluency in oral and written English is required.

Competencies:

Professionalism: Knowledge of data analysis life cycle from ingest and wrangling to analysis and visualization to present findings. Knowledge of best practices and IT operations in an always-up, always-available service. Knowledge of Agile Software Development methodologies. Strong analytic skills related to working with unstructured datasets. Ability in managing and communicating data warehouse plans to internal clients. Excellent problem solving and troubleshooting skills. Working knowledge of message queuing, stream processing, and highly scalable 'big data' data stores. Process oriented with great documentation skills. Ability to convey complex / difficult data science topics to clients in a relatable manner.



Technological Awareness: Keeps abreast of available technology; understands applicability and limitation of technology to the work of the office; actively seeks to apply technology to appropriate tasks; shows willingness to learn new technology.

Creativity: Actively seeks to improve processes and services; offers new and different options to solve problems or meet client needs; promotes and persuades others to consider new ideas; takes an interest in new ideas and new ways of doing things; is not bound by current thinking or traditional approaches.

Commitment to Continuous Learning: Keeps abreast of new developments in her/his field of expertise; contributes to the learning of colleagues; shows willingness to learn from others; seeks feedback to learn and improve.

Submission of applications

The application (in English) should include the following:

- a duly completed, updated and signed P11 form (<http://www.unssc.org/sites/unssc.org/files/p11un.doc>)
- a motivation letter elaborating in a concise style why you consider yourself qualified for this position

<p>Please submit your application through the online form available at https://www.unssc.org/about-unssc/employment-opportunities/</p>
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