



Vacancy No: AF/012/2021
Post Title: Associate Fellow
Organizational Unit: UNSSC Directorate
Duty Station: Turin, Italy
Duration: Until 31 December 2022, extendable
Deadline for applications: 13 December 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.

Organizational context:

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 to help align its data systems with organizational goals, by building/ optimizing data pipelines and architectures to support the production of meaningful analytics.

Terms of reference:

Within delegated authority, the Data Engineer, Associate Fellow, will be responsible for the following duties:

- Manage individual projects regarding the optimal extraction, transformation, and loading of data from a wide variety of sources into data pipelines, as well as the creation and maintenance of data catalogues;



- Identify needs for dataset assembly across UNSSC and collaborate with internal stakeholders to gather and process data;
- Implement solutions to data-related technical problems and data infrastructure updates;
- Design internal process improvements: automating manual processes, optimizing data delivery, re-designing architecture for greater scalability, including integrating different systems to create a single source of truth (SSOT);
- Design and build Business Intelligence systems;
- Optimize existing workflows and data architecture within UNSSC Customer Relationship Management (CRM) system (Salesforce).

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

Proven experience in designing data integration, pipeline architectures and Business Intelligence systems.

Familiarity with Salesforce applications is an advantage.

Language: Fluency in oral and written English is required. Knowledge of a second UN language is an advantage.

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.

Teamwork: Works collaboratively with colleagues to achieve organizational goals; solicits input by genuinely valuing others' ideas and expertise; is willing to learn from others; places team agenda before personal agenda; supports and acts in accordance with final group decision, even when such decisions may not entirely reflect own position; shares credit for team accomplishments and accepts joint responsibility for team shortcomings.



Accountability: Takes ownership of all responsibilities and honours commitments; delivers outputs for which one has responsibility within prescribed time, cost and quality standards; operates in compliance with organizational regulations and rules; supports subordinates, provides oversight and takes responsibility for delegated assignments; takes personal responsibility for his/her own shortcomings and those of the work unit, where applicable.

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 concise motivation letter explaining why you consider yourself qualified for this position.

Please apply through the online form available at <https://unssc.org/about-unssc/employment-opportunities/>