Vacancy No:	**VA/UNSSC/011/2024**
Post Title:	**Data Engineer, P3**
Organizational Unit:	**UNSSC Integrated Business Centre (IBC), Client Management Services**
Duty Station:	**Turin, Italy**
Duration:	**1 year; extensions are subject to satisfactory performance and availability of funds**
Deadline for applications:	**03 May 2024**

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At the United Nations System Staff College (UNSSC), the paramount consideration in the recruitment and employment of staff is the necessity of securing the highest standards of efficiency, competence and integrity, with due regard to geographic diversity. All employment decisions are made on the basis of qualifications and organizational needs. UNSSC is committed to creating a diverse and inclusive environment of mutual respect. The United Nations recruits and employs staff regardless of gender identity, sexual orientation, race, religious, cultural and ethnic backgrounds or disabilities. Reasonable accommodation for applicants with disabilities may be provided to support participation in the recruitment process when requested and indicated in the application.

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Organizational Context:

The United Nations System Staff College (UNSSC) is dedicated to serving the learning and knowledge needs of the UN system and partner organizations. We create first-rate learning experiences grounded in the bedrock values of multilateralism and dignity for all enshrined in the UN charter. Participants in our programmes rely on UNSSC to enhance their knowledge and skills across leadership and management, sustainable development, and peace and security. UNSSC is headquartered in Turin, Italy with an office in Bonn, Germany.

Governed by a Board chaired by the Chef de Cabinet of the Secretary-General, UNSSC is uniquely positioned above institutional silos and works in partnership with a wide array of UN entities, inter-governmental organizations, academic institutions, and civil society organizations. By fostering a common leadership and management culture, as well as a shared understanding of the policy and operational challenges facing the UN, UNSSC helps the UN system drive sustainable change and results in line with the 2030 Agenda, the norms and principles of the United Nations in a continuously evolving and complex world.

With over 150 courses per year, and other learning opportunities such as conferences and workshops, UNSSC focuses on three main areas of the UN 2 operation: peace and security, sustainable development, and the reform of the UN system.

As part of its on-going efforts to apply data analytics for efficiency gains, programme improvement and better provision of client services, UNSSC is looking for an experienced data engineer to align and maintain its data systems with organizational goals, by building/ optimizing data pipelines and architectures that support the production of meaningful analytics.

The position is located in the Client Management Services unit which is part the UNSSC Integrated Business Centre.

Terms of reference:

Within delegated authority, the Data Engineer 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, and supervise junior staff as required;

- Perform other duties as required.

Competencies:

Professionalism: · Solid knowledge of data warehousing concepts including advance SQL programming skills and ETL (extract, transform, load) to perform complex operations and data programming on large amount of data stored in data warehousing or MDM. Proficiency in programming languages such as Python, Java,

or C. 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.

Planning and organizing: ability to establish priorities and to plan work assignments, ability to work under pressure of tight deadlines.

Client Orientation: Considers all those to whom services are provided to be "clients" and seeks to see things from clients' point of view; establishes and maintains productive partnerships with clients by gaining their trust and respect; identifies clients' needs and matches them to appropriate solutions; monitors ongoing developments inside and outside the clients' environment to keep informed and anticipate problems; keeps clients informed of progress or setbacks in projects; meets timeline for delivery of products or services to client.

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.

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.

Work Experience:

- Minimum of 5 years of progressively responsible experience in data management, integration, modelling, optimization, and other relevant areas is required (mandatory)
- Proven experience in designing data integration, pipeline architectures and Business Intelligence systems (mandatory)
- Hands-on experience with cloud platforms covering Azure and on-premise platforms covering traditional data management databases, Cloud native tools and virtualization (mandatory)
- Proven experience in implementing and maintaining tools such as Informatica Intelligent Cloud Services (IICS), Power BI, Pentaho, Informatica MDM, PostgreSQL and API technologies (mandatory)
- Experience with scripting languages such as PowerShell or Bash (particularly for data wrangling) (mandatory)
- Experience in an international organization (desirable)

Languages:

Fluency in oral and written English is required. Knowledge of another UN official language is desirable.

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; and

Please apply through the online application form available at:

https://www.unssc.org/about/employment-opportunities