

UNdata vacancy announcement Data Engineers

The [Statistics Division of the UN Department of Economic and Social Affairs \(UNSD\)](#) is responsible for integrating official statistics from multiple international agencies and national statistical systems. In response to the [Secretary General's "Data Strategy for Action by Everyone, Everywhere"](#), UNSD is leading the modernization of its UNdata platform, which aims to provide a single entry-point for official data and statistics from across the UN System. As part of this initiative, UNSD is focusing on the creation of a UNdata knowledge graph and tools to help users find, access, visualize, and explore data from across the UN System in an integrated manner, including data on [Global SDG Indicators](#).

In this context, UNSD, via the [United Nations Foundation \(UNF\)](#), is hiring two **data engineers** to join a team responsible for creating and launching a resource to publicly monitor progress toward the United Nations' Sustainable Development Goals (SDGs) across the globe. This project is powered by close collaboration with [Data Commons](#) and funded by [Google.org](#).

Please submit your application via this form (<https://form.jotform.com/231656962791165>). Applications will be accepted and reviewed on a rolling basis until June 30, 2023.

Logistics

- Full-time, temporary contract
- Start Date: ASAP; by July 10, 2023
- Duration: 4 months, possibility for extension
- Location: Remote; ability to work during US West Coast and East Coast time zones

Core Responsibilities

- Perform detailed analysis of raw data from partner organizations (i.e., determine the structure, content, and quality of the data through examination of source systems and data samples)
- Understand and transform technical specifications into a common data model and data architecture deliverables
- Build data pipelines to integrate data from multiple domains into a common data infrastructure
- Ensure that the data infrastructure and pipelines are scalable, secure, and efficient
- Collect and organize large sets of data from various sources
- Clean and preprocess data to ensure accuracy and consistency
- Solve complex data engineering problems and lead system design and development activities including understanding the business processes/requirements while adhering to the data quality control framework
- Optimize database queries, build out complex stored procedures, database objects, indices, triggers, data import and export routines, support user and role management, grants, schema, object management and session monitoring and other logging capabilities
- Develop and maintain the tools and frameworks necessary for data engineering and machine learning operations

Expected Qualifications

- Experience managing large datasets and pipelines
- Proven ability to use data analysis to inform business insights
- Experience programming in Python and working with Airflow
- Strong statistical background and understanding
- Strong communication skills
- Resourceful problem solving
- Comfort with ambiguity
- Ability to collaborate cross-functionally

Compensation

- Expected compensation for this role is US\$10,000 - US\$14,000 per month, depending on the candidate's level of experience and qualifications.
- Please note that this role is on a temporary contract basis and is not eligible for benefits