RE
RENEWABLES FIRST

Data Engineer

Location: G-8 Markaz, Islamabad
Department: Data & Analytics
Type: Full time
Contract: 1 year

About Renewables First
Renewables First (RF) is a think tank for energy and the environment. RF's work addresses critical energy and natural resource issues with the aim of making energy and climate transitions fair and inclusive through impactful research, advocacy, and strategic partnerships.

Job Description
On a journey to become a data-driven organization and to strengthen our core team, we are seeking a **Data Engineer** to join our **Data Analytics** team. The data engineer is responsible for designing, building, and maintaining the infrastructure that supports efficient data storage, processing, and analysis. This role plays a key part in developing and managing scalable data pipelines that ensure reliable data integration, transformation, and delivery across all teams at Renewables First.

Key Responsibilities
- Work with internal teams and stakeholders to understand data needs and design database structures that support efficient storage and retrieval of information.
- Build and maintain data pipelines that collect, process, and move data from multiple sources into centralized databases. Identify and resolve data quality issues and processing delays as they arise.
- Develop and maintain organized data repositories using RF's existing datasets, including a dedicated repository for Pakistan's power sector data.
- Set up and maintain cloud-based data infrastructure, overseeing account management, cost controls, and secure access to data systems.
- Deploy and manage databases on Microsoft Azure, ensuring systems remain reliable, scalable, and recoverable in the event of disruptions.
- Enforce data governance framework to protect sensitive information and ensure all data handling aligns with relevant regulations and organizational standards.
- Document data systems and processes and provide guidance and support to team members on data-related tools and workflows.

Qualifications and Skills
- Bachelor's degree in Computer Science, Data Science, or Software Engineering.
- Minimum two years of experience in designing, developing, testing, and maintaining database services on Microsoft Azure or AWS.
- Demonstrated experience in designing and building comprehensive data repositories.

- Strong understanding and practical experience in building and automating ETL pipelines, working with structured and unstructured data.
- Proficiency in working with APIs, data ingestion from public sources, and integrating data from different sources.
- Deep understanding of data governance framework (DAMA-DMBOK).
- Excellent command over SQL and Python; knowledge of additional languages or scripting tools is a plus.
- Strong analytical and problem-solving skills.
- Excellent communication and collaboration abilities.

We Offer
- Competitive salaries and remuneration.
- Opportunities for personal and professional growth and development.
- The chance to work with a resolute and committed team on key future tasks.
- A diverse working environment in a cooperative working atmosphere.
- Flat communication and decision-making hierarchies.
- A friendly and supportive team, all passionately committed to addressing the climate and energy crises.

Application
If you would like to join our team, please apply at your earliest convenience. We process applications on a rolling basis. Please email a letter of motivation, along with your **CV in one PDF document** and use the following format for the file name, "**First Name_Last - Name_Job Title"** to hr@renewablesfirst.org.