



RENEWABLES FIRST

## **Data Integration and Visualization Specialist (Power Sector)**

Location: Islamabad, Pakistan

### **About Renewables First:**

Renewables First (RF) is a think tank for energy and environment. Our work addresses critical energy and natural resource issues with the aim to make energy and climate transitions just and inclusive.

Toiled in a plethora of challenges, decarbonization and energy transition remains a low priority for the World's fifth largest population in Pakistan. RF is leading energy transition coalitions, incubating organizations & networks and cooperating with existing local think tanks and civil society organizations to drive the energy transition, through collaboration and complementarity across all geographic levels.

As Pakistan's only dedicated energy transition think- and do- tank, Renewables First's uniqueness lies in our approach towards driving the energy transition. By emphasizing inclusivity and immediate action, we are positioned to drive change that is both sustainable and equitable. By leveraging partnerships and data-driven research, we identify, promote, advocate, and communicate evidence-based, viable solutions that are tailored to the needs of the country. Our young and passionate team is brimming with enthusiasm and ideas on ensuring the energy transition for them and their future generations.

If you are passionate about making a difference and want to be part of a dynamic team, RF offers a unique opportunity to work in a mission driven organization, with experts in energy transition. Our team is committed and collaborative, comprising individuals from diverse professional backgrounds who share a common goal of accelerating a just energy transition in Pakistan.

On a journey to become a data-driven organization and to strengthen our core team, we are seeking a Data Integration and Visualization Specialist (Power Sector) to join us.

### **Job Description:**

We are seeking an experienced ETL (Extract, Transform, Load) Developer & Data Visualization Specialist with a strong background in the Power Sector. The ideal candidate will be responsible for designing, developing, and maintaining ETL processes to extract data from various sources, transform it into a usable format, and load it into databases or data warehouses. Additionally, the candidate will be proficient in creating insightful data visualizations and dashboards to enable data-driven decision-making within the organization.

### **Key Responsibilities:**

- Design, develop, and maintain ETL processes to extract, transform, and load data from diverse sources into databases or data warehouses.
- Collaborate with cross-functional teams to understand data requirements and ensure data accuracy and consistency.
- Troubleshoot and resolve ETL process issues, data anomalies, and performance bottlenecks.
- Integrate data from various internal and external sources, including data providers, APIs, and databases, to ensure a comprehensive and up-to-date data repository.



RENEWABLES FIRST

- Implement data quality checks and data validation routines to maintain data integrity.
- Document ETL processes, data definitions, and data lineage.
- Monitor and optimize ETL processes for efficiency, scalability, and performance.
- Implement data caching and indexing strategies to enhance query performance.
- Perform data analysis to identify trends, patterns, and insights in power sector data.
- Collaborate with domain experts to derive actionable recommendations from data analysis.
- Develop interactive and informative data visualizations, reports, and dashboards using tools such as Tableau, Power BI, or similar.
- Stay updated on industry best practices, emerging technologies, and trends in power sector.

### **Qualifications:**

- Bachelor's degree in Computer Science, Information Technology, or a related field. A Master's degree is a plus
- Proven experience as an ETL Developer with a focus on data integration and transformation in the Power Sector
- Strong knowledge of Python programming language and algorithms (prior experience of working with Beautiful Soup/ Selenium is a plus)
- Strong understanding of the development and automation of data pipelines for structured and unstructured data (prior experience with SSIS or similar tools is a plus)
- Good understanding of data modeling and database design principles. Proficiency in SQL for querying and managing databases is essential
- Advanced Excel (Power Query experience) and experience with data analytics tools Power BI and/or Tableau are essential
- Comprehensive understanding of data visualization best practices
- Strong analytical and problem-solving skills
- Excellent communication and collaboration abilities.

### **We Offer:**

- Competitive compensation.
- Personal and professional growth.
- Collaborative, diverse, and supportive environment.
- Flat hierarchy and active involvement in national policies.
- Flexible work arrangements.
- Comprehensive HR policies including health insurance.

### **Application:**

If you would like to become part of our dynamic team, apply at your earliest. The last date to apply for this position is 15<sup>th</sup> October 2023. We process applications on a rolling basis.

Female candidates are strongly encouraged to apply.

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.com.pk](mailto:hr@renewablesfirst.com.pk)

**Email Subject: Data is important**