Energy and Data Analytics Specialist with RE Tech Advisors, Inc. (Falls Church, VA)

Maintain and develop data infrastructure and pipeline including data collection methods, data models, database tables, database views, database stored procedures, and automation scripts. Perform database administration duties such as managing database object permissions and troubleshooting session process issues. Work with various web APIs using appropriate REST standards to integrate into various applications. Develop interactive data visualizations, reports, and dashboards in Microsoft Power BI and Tableau. Perform data analysis using various statistical techniques such as regression analysis, interpolation techniques, dimension reduction, and others. Assist in performing building audits to identify opportunities for energy, water, and waste conservation measures. Develop technical engineering reports including ECM recommendations, calculations, and figures. Develop analytical tools to assist in engineering analysis. Provide subject matter expertise in the sustainability and commercial real estate field. Communicate technical results and details to clients and key stakeholders. Provide guidance to junior co-workers on technical topics such as SQL, Python, PowerBI, data modeling, and analytics. Prepare technical process and flow diagrams in MS Visio.

Requirements: Bachelor's degree in Mechanical Engineering or related. Requires 6 months of experience. Must have following skills through education or work experience: Python; Statistical techniques as applied to energy and water data across large data sets; Performing trend analysis on building time series HVAC and controls data; Energy, water, and waste metrics, KPIs, and methodologies for real estate performance assessment and tracking; Mechanical engineering calculations related to equipment operation and energy and water consumption in buildings; Benchmarking in ENERGY STAR Portfolio Manager for energy, water, waste, and greenhouse gas (GHG) emissions; and Data wrangling and analytics in Microsoft Excel.

RE Tech Advisors is an Equal Opportunity Employer m/w/iwd/pv.

In compliance with Federal law and the Federal Acquisition Regulation (FAR) 22.1800, the selected candidate will be required to provide documentation that will verify their identity and eligibility to work in the United States.

To Apply, Mail Resumes to: RE Tech Advisors, Attn: Chelsea Wever 7700 Leesburg Pike, Suite 330 Falls Church, VA 22043