



Data Engineer

TeleGeography

Washington, D.C. / Remote

TeleGeography, a specialty market research firm that produces authoritative, data-driven analysis of the global telecommunications industry, is expanding its Data Team with a Data Engineer position. The Data Engineer will be involved in the design and maintenance of TeleGeography's proprietary databases, migration of disparate data sources to a centralized data platform, design and maintenance of data processing and pipelining codebase, and development of new analytics for custom consulting projects.

Responsibilities

- Maintain existing TeleGeography databases and data pipeline, and expand upon our existing data management codebase
- Assist with migration of data from various systems into a modern, centralized data store to be leveraged more effectively across the company
- Develop and maintain cloud ecosystem resources to support application infrastructure, data processing, and pipelines
- Process, normalize, validate, and load new data and intelligence procured by our analyst team from a wide variety of sources, and produce regular analytics from those data streams
- Work with analyst teams to identify areas for process improvement, through automation or other new tools
- Troubleshoot data errors and provide recommendations to improve data integrity
- Expand the capacity of the Data Team to take on increasingly technical outside consulting, as well as internal and external application design

Qualifications Required

- Bachelor's degree, preferably in computer science, data analytics, mathematics, economics, engineering, or some other related technical discipline
- Knowledge of relational database principles and architecture
- Proficiency in SQL, and in at least one scripting language (Python, Ruby, etc.)
- Willingness to learn other coding languages or software, as needed
- Experience using version control systems (e.g., Git) in a team development environment
- Ability to take responsibility for key portions of a project and develop towards a given goal independently, while calling on additional support from the team when needed

- Professional communication skills, to correspond about complex topics with both technical and non-technical audiences
- Analytical skills to understand the aims of the research and analyst teams, and how those needs can be met utilizing our existing datasets
- Ability to take key requirements from an internal or external client, and propose a technical solution
- High degree of intellectual curiosity

Bonus Qualifications

- Master's degree in a technical discipline, and/or professional industry experience in data analysis/engineering
- Familiarity with HTML, Javascript, and web frameworks
- Experience working with cloud-based storage and database platforms (AWS, Google Cloud Platform, Azure)
- Development experience working with (or building) RESTful APIs
- Background or interest in telecommunications, maps, and international economies and cultures

About TeleGeography

TeleGeography is a boutique firm with a global scope covering a critical, dynamic industry. It offers a collegial, intellectual atmosphere with a bit of quirky charm in an energizing Thomas Circle location in Washington, DC. TeleGeography is a remote-friendly workplace, and this position is location-flexible (within the US) for candidates located outside the DC-area.

TeleGeography also offers its employees a generous benefits package including:

- 401(k) Plan (effective after 3 months of service)
- Healthcare, dental and vision coverage (effective the first of the month following 60 days of employment)
- \$20,000 Basic Life and AD&D Insurance Coverage
- 3 weeks paid vacation (2+ years = 4 weeks, 5+ years = 5 weeks)
- 3 days sick leave per year

If you're ready to put your skills to work for a team dedicated to authoritative industry analysis, we want to hear from you.

Send your resume and cover letter to recruitment@telegeography.com.