Senior GIS Analyst - Utility Network

OPS

Metamora, IL

Share on:

Apply now

About Us: Cloudpoint Geospatial is a dynamic geospatial solutions provider specializing in Geographic Information Systems for organizations such as local governments, utilities, campus facilities, and public safety. Our mission is to provide location-based tools and services that enable organizations to make informed, data-driven decisions. We improve the lives of the people we serve and create enthusiastic users of geospatial technology, all while maximizing enjoyment in the lives of our team members.

Cloudpoint Geospatial is an equal opportunity employer. All qualified applicants will be considered for employment without regard to race, color, age, sex, national origin, religion, mental and/or physical disability, or sexual orientation. We are committed to providing reasonable accommodations to applicants and employees with disabilities. If you need an accommodation to complete the application process or perform the job duties, please let us know.

Job Description:
Cloudpoint Geospatial is seeking a Senior GIS Analyst to perform and lead the hands-on work behind ArcGIS Utility Network data migration projects. As an Esri Network Management Specialty partner, Cloudpoint helps utilities and local governments migrate their data to the ArcGIS Utility Network and get the most out of their investment in Esri technology. This position will serve as our

in-house Utility Network expert: assessing and preparing legacy utility data, configuring and loading the Utility Network, resolving complex data issues, and building repeatable migration workflows that the rest of our Infrastructure & Utilities team can follow. This position will also act as technical lead on migration projects and train and mentor other GIS users on similar workflows. An ideal candidate will have hands-on Utility Network experience and will be detail-oriented, analytical, and comfortable solving complex data problems, with the ability to explain technical concepts clearly to both coworkers and clients.

Responsibilities and Duties:

- Serve as technical lead on Utility Network data migration projects, from data assessment and cleanup through data loading, validation, and go-live
- Assess existing utility data (geometric networks, legacy geodatabases, CAD) and identify gaps, errors, and connectivity issues ahead of migration
- Clean and prepare data for migration, including attribute standardization and connectivity corrections
- Map legacy schemas to Esri Utility Network foundation models and asset packages, and configure asset packages to meet client needs
- Load data into the Utility Network using Esri data loading tools, FME, Python, or other tools as appropriate
- Enable network topology, resolve dirty areas and topology errors, and configure subnetworks, tiers, and trace configurations
- Configure and test attribute rules, branch versioning, and related editing workflows
- Publish and configure Utility Network services and applications in ArcGIS Enterprise, ArcGIS Pro, and Field Maps
- Develop and run QA/QC processes to validate migrated data
- Develop, document, and continually improve standardized migration workflows, scripts, and tools for use across projects
- Train and mentor team members on Utility Network concepts and data migration workflows
- Coordinate with project managers on technical scope, effort estimates, schedules, and hours for migration projects
- Lead technical working sessions with client GIS staff and provide post-migration support as needed
- Stay current with changes in Esri technologies, especially new Utility Network releases and tools

Minimum Qualifications:

- Bachelor’s degree
- 5+ years of professional GIS experience, preferably with utility projects
- 2+ years of hands-on experience with the ArcGIS Utility Network, including participation in at least one Utility Network data migration
- Strong proficiency with ArcGIS Pro and working knowledge of ArcGIS Enterprise
- Solid understanding of geodatabase design, data modeling, and network connectivity concepts
- Strong analytical and problem-solving skills with close attention to detail
- Ability to clearly document technical processes and teach them to others
- Ability to work independently while collaborating effectively with project managers and technical teams
- Excellent communication skills

Desired Qualifications

- Experience working directly for a utility (water, wastewater, stormwater, telecom, electric, or gas)

- Experience leading multiple Utility Network migrations, including migrating a geometric network to the Utility Network
- Python/ArcPy scripting and/or FME experience
- Experience with enterprise databases (SQL Server, PostgreSQL, or Oracle)
- Experience training or mentoring other GIS professionals
- ArcGIS Utility Network Associate
- Safe Software FME Certified Professional

Work Context:

- Frequent work operating a computer in an office (or home office) setting.
- Frequently sedentary with occasional fieldwork requiring walking and lifting 20lbs.
- Frequently communicates with coworkers and clients about project work and must be able to clearly exchange accurate information in these situations.

Compensation: $75,000 to $100,000 base salary

Benefits: Health insurance reimbursement, 401(k) with company match, fully remote work opportunities, Tuition and training reimbursement, Profit sharing, PTO and paid holidays, Cloudpoint apparel stipend, employee referral program.

How To Apply: cloudpointgeo.com/apply

The pay range for this role is:
75,000 - 100,000 USD per year (Remote)
75,000 - 100,000 USD per year (Hybrid (Metamora))

Apply now

Terms of service Privacy Cookies Powered by Rippling

United States (English)