



## Senior GIS Analyst Job Description

Working on a variety of client projects and product development, the Senior GIS Analyst is responsible for 2D and 3D spatial mapping, developing mapping applications and tools, and managing a digital library of geographic maps in various file types, along with other duties. This role detects geographic trends, analyzes data, and produces digitized maps to help clients make informed business decisions.

The Senior GIS Analyst is adept at explaining complex technical concepts in simple terms and solving problems. Possessing strong initiative and exceptional communication skills, this role thrives working directly with clients to gather GIS data use case requirements, assist in use case implementation, and provide users ongoing GIS support of use case tools.

### Essential Job Duties

- Perform spatial data analysis and modeling using Esri suite of software.
- Publish feature services and create view layers in ArcGIS Online (AGOL) to share data with clients, while ensuring appropriate levels of access.
- Create dashboards using AGOL to support our clients with critical business decisions.
- Review data for currency, accuracy, usefulness, quality, and ensure completeness of documentation.
- Maintain or modify existing Geographic Information Systems (GIS) databases.
- Perform and manage the quality control (QC) and data standards of incoming lidar-based vector GIS data sets.
- Collaborate with colleagues to support implementation of software products.
- Identify and document client requirements.
- Provide GIS technical support to clients as needed.
- Automate workflow processes using Python or other tools, where appropriate.
- Clearly and concisely document processes to support project documentation as well as client knowledge bases and/or tutorials.
- Track tasks using JIRA.
- Actively participate in client meetings and internal team meetings.
- Other GIS and software support efforts as needed.
- Other duties as assigned.

### Job Qualifications: Knowledge, Skills, and Abilities

- Proficiency in using Esri products including ArcPro and ArcGIS Online for spatial data analysis.
- Proficiency utilizing ArcPro for spatial data QC, validation, analysis and reporting.

- Skills in LIDAR, LAX tools, or other 3D spatial platforms.
- Knowledge of 2D and 3D vector data, satellite imagery analysis, and lidar point cloud data analysis. Electric utility networks analysis a plus.
- GIS data modeling and reporting skills via dashboards, Power BI, or other external reporting tools.
- Ability to automate GIS and data processes using ModelBuilder, Python scripting, or other coding tools.
- Competency using the Microsoft suite of products.
- Attention to detail and strong problem-solving skills.
- Exceptional qualitative skills.
- Excellent verbal and written communication skills.
- Unwavering professionalism and client-focus commitment.
- Ability to act with honesty and integrity at all times.
- Ability to work independently and as part of a team.
- Strong ownership and initiative.
- Ability to work remotely in an efficient and productive manner.

#### **Experience/Education:**

- Bachelor's degree (BS) in GIS, Geospatial Science, or related field, or an Associate's degree and relevant professional experience.
- 5+ years practical experience in a GIS-related industry.
- 3D spatial platforms experience.
- Experience in lidar extraction or GIS extraction.
- Experience using Esri, GIS, and mobile mapping tools.
- Experience with Esri FieldMaps, Survey123, PowerBI, Remote Sensing, R, a plus.
- Experience using project management tools, JIRA is a plus.
- A background in utilities is helpful.

#### **Location:**

- Hybrid remote. For the first several months, this role will report into an office based in San Ramon, CA or Denver, Colorado and thereafter, will have the ability to work remotely *as approved*.

#### **Travel:**

- Quarterly travel to group meeting in San Ramon, CA, along with possible travel for Company events.

**Physical Requirements:**

The physical demands described herein are representative of those that must be met by an employee to successfully perform the essential functions of this job. The employee must occasionally position, transport, and/or move up to 10 pounds.

- While performing the duties of this Job, the employee is regularly required to:
  - Stand, walk.
  - Be stationary for extended periods.
  - Use fingers and/or hands to handle and feel.
  - Communicate with and exchange information verbally and in writing.
  - Move about in an office environment.
  - Work using repetitive motion.
- Specific vision abilities required by this job include close vision, distance vision, peripheral vision, depth perception, and ability to adjust focus.
- Work requires physical efforts associated with using computers and phones to access and relay information.

**Working Environment:**

The work environment characteristics described are representative of those an employee encounters while performing the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

While performing the duties of this Job, the employee is:

Regularly in an office environment or working remotely from a home office.

*This job description is not intended to describe in detail the multitude of tasks that may be assigned, but rather to provide the incumbent with a general sense of the responsibilities and expectations of his/her position. It is not intended to be an exhaustive list of qualifications, skills, efforts, duties, responsibilities or working conditions associated with the position. As the nature of business demands change so, too, may the essential functions of this position.*

**Woodland Solutions Group is an Equal Opportunity Employer, including disability and protected veteran status. We value diversity.**