

Title: GIS Specialist
Location: Remote
Salary: per market
Hours: Full-Time

JOB DESCRIPTION:

This position is for a geographic information systems (GIS) specialist who can perform skilled technical and professional work in the organization, analysis, synthesis, and maintenance of GIS data and cartographic deliverables. The GIS Specialist provides spatial analyses, geostatistical quality assurance, and concise cartographic output to support Program needs. This position reports directly to the GIS Manager.

RESPONSIBILITIES AND REQUIREMENTS

- Performs data reconciliation and validation on large GIS datasets from multiple sources and complying with Program GIS standards and specifications.
- Create, edit, review, and maintain Program geospatial assets and metadata.
- Prepare GIS or spatial data to produce mapping and other material for use by Authority and other Program staff.
- Develop visualization and technical communication strategies to present data and analytical results well.
- Gather, analyze, and integrate spatial data from the Authority, its contractors, or resource agencies and determine how best the information can be displayed using GIS technology.
- Prepare spatial statistics, conduct spatial analyses, and provide detailed cartographic output.
- Perform quality assurance of GIS data and processes as per the Standards defined.
- Create, edit, and maintain geospatial databases and metadata.
- Build models to process data utilizing scripting techniques (e.g., Python, ModelBuilder) to perform complex spatial analysis and/or automate workflows.
- Maintain expertise in existing and emerging GIS-related software and technologies and evaluate their application to improve the Authority's programs.

KNOWLEDGE OF:

- Knowledge of digitizing techniques, geographic standards, and coordinate systems.
- Knowledge of cartographic design principles.
- Knowledge of raster and vector data creation and editing.

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- Knowledge of geo-referencing, geoprocessing, and geocoding techniques and methods.
- Knowledge of Multi-user geodatabases and geodatabase design, database replication/versioning techniques and best practices, and ArcGIS desktop client/ArcSDE server interface.
- Knowledge of geographic data management, including ESRI geodatabases and RDBMS.
- Knowledge of and proficiency with the effective use and operation of ArcGIS for Desktop 10.x and its extensions (Spatial Analyst, 3D Analyst, Network Analyst).
- Knowledge of Microsoft Office is essential along with strong communication (verbal and written) skills.

ABILITY TO:

- Ability to troubleshoot data fidelity issues between CAD and GIS environments.
- Ability to use data management tools, analysis tools, and conversion tools and other related ArcGIS tools applicable to the requirements.
- Ability to produce high quality cartographic output for presentations is desirable.
- Ability to organize the work, establish priorities, meet established deadlines, and follow up on assignments with a minimum of direction.
- Ability to establish and maintain effective working relationships and communications with client staff and project consultants, private contractors, employees, and the public.

DESIRABLE QUALIFICATIONS

- This position requires a bachelor's degree in Geography, Planning, Environmental or Social Science, Computer Science, or related field; a minimum of 4 years of relevant experience in geography, environmental planning, social science, computer science, documentation, assessment, and other related processes.
- Active professional involvement in URISA, AAG, ASPRS, AGU, CGIS, GITA, or related professional organizations is desirable.
- Candidates should have a minimum of 4 years of progressively responsible experience in GIS development, programming, server administration, or geospatial analysis (or equivalent working knowledge/experience) related to database design and geospatial data management for public projects, with emphasis on infrastructure projects.

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ABOUT ZPro SOLUTIONS INC.

With offices in Florida (HQ), California, and New York, ZPro Solutions Inc. (ZPro) was founded in 2016. Certified as a DBE, MBE and SBE in various states and municipalities.

ZPro Solutions is a technology firm offering a full range of consulting services. We specialize in Business Transformation, Enterprise Asset Management, Data Management, Business Operations, Program Management, Project Management, Data Analytics, and Software Sales. Our highly trained and qualified team of consultants provide the skills and expertise to perform comprehensive analysis, using proven methodologies to develop strategies and plans to meet critical business needs. Our team combines expertise in enterprise asset management, projects management, data science and technology to transform industries and bring clients optimal solutions leading to desired outcomes and the greatest ROI.

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