

GIS Analyst/Programmer

Dept: Information Technology

FLSA Status: Exempt

General Definition of Work

Performs difficult skilled technical work providing technical support to GIS users, creating, testing, installing and repairing GIS databases, hardware and software on computers and servers, maintaining files, troubleshooting GIS software issues, acting as a GIS technology project manager, and related work as apparent or assigned. Work is performed under the limited supervision of the Application Development Manager.

Qualification Requirements

To perform this job successfully, an individual must be able to perform each essential function satisfactorily. The requirements listed below are representative of the knowledge, skill and/or ability required. Reasonable accommodations may be made to enable an individual with disabilities to perform the essential functions.

Essential Functions

- Designs, develops and maintains enterprise Geographical Information System (GIS) databases.
- Analyzes departmental procedures to overall determine, design and develop GIS applications using a variety of computer languages.
- Develops and maintains GIS interfaces with other computer applications and databases.
- Provides software and hardware support, training and documentation to GIS users across multiple platforms.
- Researches, tests and implements new GIS and technologies.
- Performs geographical analysis to produce a variety of reports, documents and web pages.
- Serves as the customer liaison between vendors and users to acquire GIS services, software and data.
- Coordinates GIS data distribution with internal and external agencies.
- Acts as a helpdesk representative assisting employees and the public with technical inquiries.
- Abides by, enforces and participates in the implementation and ongoing oversight of Randolph County Government safety standards and regulations.

Knowledge, Skills and Abilities

Thorough knowledge of all phases of analysis, database design, programming and computer operations in an online and batch processing environment; thorough knowledge of computer language references; thorough knowledge of application help systems; thorough knowledge of GIS software, hardware and database installation best practices, policies and procedures; thorough knowledge of the functions and operation of county departments; general knowledge of county ordinances and state and federal laws, rules and regulations related to system installation and maintenance; comprehensive skill creating reports in various computer languages; comprehensive skill operating standard office equipment, hardware and software; ability to determine department and county-wide GIS information system needs and formulate effective programming to meet the needs; ability to make arithmetic computations using whole numbers, fractions and decimals; ability to compute rates, ratios and percentages; ability to communicate openly and explain complex technology issues to users; ability to establish and maintain programming in a variety of computer languages; ability to learn or display knowledge of various operating systems; ability to organize work and prioritize tasks; ability to understand and apply governmental accounting policies in maintenance of financial records; ability to write clear and concise reports; ability to communicate ideas effectively, both orally and in writing; ability to establish and maintain effective working relationships with County officials and associates.

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Education and Experience

Bachelor's degree in geography, environmental science, engineering, or related field and three to five years experience working with ETRI's server, desktop and mobile GIS software and Microsoft SQL server, or equivalent combination of education and experience.

Physical Requirements

This work requires the occasional exertion of up to 25 pounds of force; work regularly requires repetitive motions, frequently requires sitting, speaking or hearing, using hands to finger, handle or feel and reaching with hands and arms and occasionally requires standing, walking, pushing or pulling and lifting; work requires close vision, ability to adjust focus, depth perception and color perception; vocal communication is required for expressing or exchanging ideas by means of the spoken word and conveying detailed or important instructions to others accurately, loudly or quickly; hearing is required to perceive information at normal spoken word levels; work requires preparing and analyzing written or computer data, operating machines, operating motor vehicles or equipment and observing general surroundings and activities; work has no exposure to environmental conditions; work is generally in a moderately noisy location (e.g. business office, light traffic).

Special Requirements

None.

Competencies

Business Ethics: Treats people with respect; Keeps commitments; Inspires the trust of others; Works with integrity and ethically; Upholds organizational values

Communications: Expresses ideas and thoughts verbally; Expresses ideas and thoughts in written form; Exhibits good listening and comprehension; Keeps others adequately informed; Selects & uses appropriate communication methods

Customer Service: Displays courtesy and sensitivity; Manages difficult or emotional customer situations; Meets commitments; Responds promptly to customer needs; Solicits customer feedback to improve service

Dependability: Responds to requests for service and assistance; Follows instructions, responds to management direction; Takes responsibility for own actions; Commits to doing the best job possible; Keeps commitments; Meets attendance and punctuality guidelines

Job Knowledge: Competent in required job skills & knowledge; Exhibits ability to learn and apply new skills; Keeps abreast of current developments; Requires minimal supervision; Displays understanding of how job relates to others; Uses resources effectively

Quality: Demonstrates accuracy and thoroughness; Displays commitment to excellence; Looks for ways to improve and promote quality; Applies feedback to improve performance; Monitors own work to ensure quality

Relationship Building: Builds rapport up, down, and across the organization; Establishes collaborative relationships to achieve objectives; Seeks win-win solutions to conflict; Develops network of professional contacts; Displays empathy and tolerates diverse viewpoints

Initiative: Volunteers readily; Undertakes self-development activities; Seeks increased responsibilities; Takes independent actions and calculated risks; Looks for and takes advantage of opportunities; Asks for help when needed

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I have read and understand my job responsibilities as outlined in this job description and will abide by and follow these duties.

Employee Name (Printed)

Employee Signature

Manager Name (Printed)

Manager Signature

Date