GEOSPATIAL DATABASE ADMINISTRATOR

Sewall is a full-service engineering, survey, GIS, and natural resources consulting firm in its 144th year of business. Headquartered in Bangor, ME, with offices in Portland, ME, and Caribou, ME, Sewall provides professional services to a wide variety of private- and public-sector clients throughout the United States. Currently we have an opening for a Geospatial Database Administrator. This is an opportunity for the right candidate to be a part of a dynamic, high performing team with a reputation for knowledgeable, quality service and long-term client relationships.

JOB DUTIES AND RESPONSIBILITIES:
- Administer and maintain Amazon Web Services (EC2, S3) used by the GIS system.
- Administer and maintain instances of SQL Server and PostgreSQL, including the creation and import of new GIS data layers.
- Administer and maintain company's ArcGIS Enterprise solution, published services and associated ESRI map and project files.
- Monitor server network traffic and identify performance issues.
- Recommend hardware and software upgrades and replacements for the GIS system.
- Perform geoprocessing tasks using Python to automate tasks, modify data layers and conduct analysis.
- Develop and apply custom analysis of spatial and non-spatial datasets to meet client needs.
- Effectively communicate work-related information to project staff and clients in order to keep necessary personnel apprised of issues or questions.
- Maintain flexible working hours as needed to accomplish daily tasks and meet project deadlines; provide support to technician staff and clients as needed.
- Create written reports and or other documents that conform to company and industry standards for formatting and content.
- Participate in the industries serviced by Sewall through conference attendance, continued training, and active involvement in professional organizations as required.
- Work safely and promote safety within the work environment.
- Job may on occasion require over 40 hours a week.

REQUIRED EDUCATION, EXPERIENCE AND COMPETENCIES:
- Bachelor's degree in science, applied science, engineering, or other relevant technical degree.
- 2 or more years' experience administering and supporting an ArcGIS Enterprise solution.
- Proficient with MS Office software including Excel and Word.

VALUABLE EDUCATION, EXPERIENCE AND COMPETENCIES:
- Masters or PHD degree in applicable field of science or engineering with relevant thesis/project topic.
- System administrator experience with SQL, Microsoft SQL Server, PostgreSQL, Windows, Linux, Amazon Web Services (EC2, S3), Apache, Tomcat and Microsoft Internet Information Services.
- Strong documentation skills.
- Practical, hands-on approach to problem solving.
- Understanding of software development lifecycle.
- Experience with database design and implementation.
- Understanding of spatial data formats and standards.

- Experience with programming using C#, Visual Studio, Python, ArcGIS Pro SDK for .NET, and ArcGIS Maps SDK for .NET.
- Experience with FME software, or similar data translation applications.
- Basic understanding of web development using HTML, CSS, Javascript, TypeScript, React, VS Code, Java SE, RESTful APIs or ArcGIS Maps SDK for JavaScript.

KEY PERSONALITY TRAITS REQUIRED TO SUCCEED IN THIS POSITION:
- Attention to detail.
- Highly independent; capable of setting own tasks and completing within internal and external deadlines.
- Effectively work in a team environment with patience, perseverance, and a commitment to fostering a team spirit.
- Manages time conflicts, recognizes priorities, and coordinates with others to achieve project goals.
- Excellent communication skills with project team members and/or clients.
- Demonstrates ability to learn new technical subjects and skills quickly.
- Takes responsibility for their work including professionally defending chosen methods, as well as admitting and rectifying mistakes when appropriate.
- Ability to thrive in a client-focused business environment.
- Demonstrates an interest in further development by asking questions, seeking guidance, taking on new tasks and suggesting process improvements.

PHYSICAL DEMANDS:
- Must be able to sit at a computer workstation for extended periods of time on a daily basis. The continuous use of a keyboard and mouse throughout each day will be necessary.
- Must be able to work in an open office environment.
- Must be able to conduct business by telephone and web interfaces
- Must be able to climb stairs and lift file boxes and computers up to 50 lbs.
- Must be willing to travel overnight.

We offer a competitive salary and a comprehensive benefits package.

Interested candidates should submit a cover letter and a resume outlining experience and credentials to Rachel.Foley@sewall.com. If you need assistance or an accommodation during the application process because of a disability, please contact Rachel Foley, Human Resources, at (207) 817-5475.

Sewall has been named one of the 2024 Best Places to Work in Maine.

Sewall is an Equal Employment/Affirmative Action Employer.