



**Power System
Engineering, Inc.**

1532 West Broadway, Madison, WI 53713

www.powersystem.org

Job Description

This is an exciting time to join Power System Engineering (PSE). We have been partnering with electric utility, energy, agriculture, and industrial clients for over 40 years providing innovative engineering and consulting services and solutions. As an industry leader, PSE fosters a culture focused on our employees and clients, forward-thinking, innovation, integrity, and safety which drives the growth and success of our company, and supports our clients in managing their power grid, water supply, gas systems, and communications networks more effectively.

PSE is growing and looking for a full-time motivated and skilled Data System Analyst to join our team. PSE offers an excellent benefit package which includes bonuses, paid time off, 401(k), health, dental, vision, and life insurance.

General Summary:

PSE is looking for a motivated and innovative individual who can provide new processes, suggest new technologies, and help to design a complete data and visualization service. This individual will help lead in the process of facilitating complex data and information into viable business solutions. There will be a need to communicate complex thoughts and ideas into an easy to understand outcome, as well as, work across multiple internal and external teams. The ability to be self-sufficient and explore new ways of thinking is important. This role will be part of the Utility Automation and Communications department, working with large data and multiple different platforms.

Responsibilities:

The following are essential responsibilities of this position and do not include marginal functions that are incidental to the performance of the fundamental job duties. The scope and duties of this position may change or be altered based on the business needs of the company.

- Ingest client data into relational and document databases for analysis and visualization.
- Manipulate SQL and document databases to sanitize and organize data.
- Create Python, Java, C++ or other code to ingest, sanitize and analyze data
- Use tools such as Scikit, Tensor Flow, Power BI, Tableau, Elasticsearch and others to manipulate and visualize data dashboards.
- Comfort in using Linux and Tools such as Debian
- Work with a diverse group and team of engineers, economists, technicians, and others, supporting the vision for the growth of the skills and projects in the practice area.
- Strong Client Support: Develop and maintain relationships with key existing clients who are working with the Utility Automation and Communications group today. These clients will be external and internal departments.
- Perform goal specific analysis on large sets of information.

Data System Analyst

- **Project Management:** Work with PSE project coordinators and engineers to manage projects being worked on to stay on task and provide project deliverables on a timely basis.
- **Technical Practice Area Development:** Work to with other PSE departments, including IT, to constantly improve and enhance our ability to produce high quality.
- Use a blend of skills to solve problems, innovate solutions, engineer, and construct new ways of thinking to old issues.
- Create reports for internal teams and/or external clients
- Help to generate graphs, infographics and other methods to visualize data
- Help to structure large data sets to find usable information
- Collaborate with team members to collect and analyze data
- Work as part of a team and individually to meet project goals, timelines, and deliverables.
- **Travel:** This position may travel 1-2 times per month to meet with clients or attend conferences. Travel as required.

Minimum Requirements:

- The successful candidate must have a combination of education and/or experience totaling 3 years of relevant experience. This should include experience managing projects, troubleshooting, integrations, and possible large data set manipulation. It should include experience in building and maintaining customer/client relationships.
- The ideal candidate will likely have a bachelor's degree in engineering, business, or data analytics.
- Understanding and Familiarity in coding languages such as, Python, R, C, C++, MSSQL
- Attention to detail
- Strong written and verbal communications skills
- Proficiency in MS Office and Office365
- Familiarity with systems such as, Scikit-learn, Power BI, Tableau, ELK, Linux, and others

Power System Engineering is an Equal Opportunity/Affirmative Action institution and does not discriminate on the basis of race, sex, gender identity, marital status, pregnancy, sexual orientation, age, disability, veteran status, religion, color, ancestry, or national origin or any other characteristic protected by federal, state or local laws. Our management team is dedicated to this policy with respect to recruitment, hiring, placement, promotion, transfer, training, compensation, benefits, employee activities and general treatment during employment.