

Data Engineer

Location: Arlington, VA (preferred) or continental US

ABOUT FLUENCE

Fluence, a Siemens and AES company, is the global market leader in energy storage technology solutions and services, combining the agility of a technology company with the expertise, vision and financial backing of two well-established and respected industry giants. Building on the pioneering work of AES Energy Storage and Siemens energy storage, our goal is to create a more sustainable future by transforming the way we power our world. Providing design, delivery and integration, Fluence offers proven energy storage technology solutions that address the diverse needs and challenges of customers in a rapidly transforming energy landscape.

Fluence currently has more than 2.4 gigawatts of projects in operation or awarded across 24 countries and territories worldwide. We topped the Navigant Research utility-scale energy storage leaderboard in 2018 and were named one of Fast Company's Most Innovative Companies in 2019. In 2020, our sixth-generation Tech Stack won Commercial Technology of the Year at the 22nd annual S&P Global Platts Global Energy Awards.

Leading

Do others come to you for your subject matter expertise? Are you excited by the challenge of working in a start-up atmosphere with a purpose?

Fluence is seeking a Data Engineer to help implement and monitor large-scale data systems that will help create more sustainable global energy systems.

Responsible

- In this role, you will **engineer and support analytics and machine learning tooling**. You'll create data tools for the Fluence team, including business analysts and data scientists, that help them discover insights across our organization. You'll work with data and analytics experts to create industry leading functionality.
- **Create and optimize Fluence data pipelines**. This involves assembling large, complex data sets that meet our customers' diverse and evolving requirements. You'll create and maintain the infrastructure required for optimal extraction, transformation, and loading of data from a wide variety of sources using SQL and other query languages. You'll configure data

collection and aggregation pipelines in both bare metal Linux and AWS environments and design procedures for maintaining these pipelines.

- **Increase data visibility and automation.** You'll identify, design, and implement internal process improvements: enhance data access and visibility, automate manual processes, optimize data delivery and design for scalability.
- **Engineer and support analytics and machine learning tooling.** You'll create data tools for the Fluence team, including business analysts and data scientists, that help them discover insights across our organization. You'll work with data and analytics experts to create industry leading functionality.

Agile

Here at Fluence, we strive to continuously improve, be intellectually curious and be adaptive to our customers and employee's needs. Collaboration is key, both in our partnerships with our customers, and with each other. Fluence prioritizes the most critical efforts that allow for the greatest impact.

As an ideal candidate you have:

- Advanced working knowledge of SQL and experience working with relational databases, query authoring, optimization and familiarity with a variety of databases.
- Experience building and optimizing data pipelines, both with bare metal and cloud services.
- Knowledge needed manage and process large amounts of time series data, including real-time processing, analytics, machine learning data set creation, and retrieval systems for archived data.
- Awareness of modern clustering, containerization, services, and serverless architectures.
- Cooperation skills to work collaboratively in a fast-paced entrepreneurial environment, while also taking ownership of responsibilities and pursuing them diligently.
- Communication skills to explain recommendations from complex data analysis to teammates, colleagues, and leadership.
- Belief that the work we do must always improve lives by lowering the cost of electricity, improving the resilience of the electric system, and enhancing grid sustainability.

- Knowledge of basic Linux system administration concepts—working with the command line and operating system resource management.
- A degree in Computer Science, Information Systems or another quantitative field with relevant experience.
- You should also have experience with the following technology:
- Relational and non-relational databases, including expertise in Postgres, MariaDB, Snowflake, or Presto/Athena.
- AWS cloud services such as EC2, S3, Lambda, and Fargate.
- Batched and real-time data stream-processing systems.
- Automation and scripting using Python (required).

Fun

Working on transforming a fundamental part of our society is exciting and fulfilling. It requires creativity, diversity of ideas and backgrounds, and building trust to effect change and move with speed. We respect our coworkers and customers. We listen to what others have to say, and we are inclusive.

Our Corporate Culture

- Fluence is defined by its unwavering commitment to safety, quality, and integrity. We take personal ownership in what we do, and we prioritize the development of trust in our relationships. We firmly believe in having honest, forthcoming, respectful, and fair communications.
- We are curious, adaptable, and self-critical; we use these traits to meet our team's and customers' needs. We always want to be working on the issues with the greatest impact.
- Succeeding in our mission requires creativity of thought, diversity of backgrounds, and an environment of safety and trust. These aspects of our culture enable us to effect change and move with speed. Workspace respect, balance, and inclusivity is foundational to our success, and our experiences at work are an essential part of what we create.

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Fluence IS AN EQUAL OPPORTUNITY EMPLOYER and fully subscribes to the principles of Equal Employment Opportunity to ensure that all applicants and employees are

considered for hire, promotion, and job status without regard to race, color, religion, sex, national origin, age, disability, veteran status, sexual orientation, marital or familial status.