

Optimization Engineer, Fluence Digital

Location: San Francisco, CA (Flexible)

ABOUT FLUENCE

Fluence, a Siemens and AES company, is the leading global energy storage technology solutions and services company that combines the agility of a fast-growing technology company with the expertise, vision, and financial backing of two industry powerhouses. Building on the pioneering work of AES Energy Storage and Siemens energy storage, Fluence's goal is to create a more sustainable future by transforming the way we power our world. The company offers proven energy storage technology solutions designed to address the diverse needs and challenges of customers in a rapidly transforming energy landscape, providing design, delivery, and integration in over 160 countries. Fluence works closely with customers as trusted advisors throughout their journey and provides advisory, financing, and project lifecycle services.

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?

This position will be within the new Fluence Digital business unit, formed following Fluence's acquisition of San Francisco-based start-up AMS. Fluence Digital's software technology uses artificial intelligence, advanced price forecasting, portfolio optimization and market bidding to ensure energy storage and flexible generation assets are responding optimally to price signals sent by the market.

Responsible

This Optimization Engineer will be an integral member of the Fluence Digital team, participating in developing analytical capabilities that support operational assets and help increase adoption of Fluence Digital's innovative SaaS products.

Key role responsibilities include:

- Formulate and develop economic optimization models for market participation and optimal bidding strategy of Fluence Digital's SaaS products in global electricity markets

- Advance company's analytical capabilities by partnering with commercial/business development, operations, data science, and engineering teams to develop key insights into product and company performance
- Utilize or adapt optimization models into analytical tools that can be utilized to facilitate customer acquisition and retention, in the form of forecasting revenue, analyzing past bids, and demonstrating value created by Fluence Digital products
- Collaborate on building and maintaining ETLs, pipelines and automations (using tools like Matillion, Fivetran, dbt, etc.) to ensure we can understand and act on business performance accurately, scalably, with low latency, and minimal manual upkeep
- Perform market research, codify processes required for participation in selected wholesale markets, and ensure requirements are appropriately included in analytical and optimization models
- Working with cloud-based systems (AWS Lambda, Step Functions, etc.) and other lightweight application backends (Postgres, Snowflake), deployment tools (docker, heroku), and frontends (streamlit, flask) to build and deploy analytical tools to serve technical and non-technical users

Agile

- Ability to lead and drive Project Management and Engineering teams towards project decisions
- Strong written and oral communication skills
- Ability to organize, manage processes, set deadlines, and follow up to ensure schedules are met
- Ability to act as a liaison between various teams and divisions in the company in order to drive efficiency and expediency
- Team player with demonstrated experience in working effectively within their own organization and cross-functionally
- Ability to work independently with limited supervision
- Strong problem solving, negotiation and organizational skills
- Ability to process information and manage multiple conflicting priorities to drive to successful outcome (i.e. Multi-task)
- Flexible and versatile to provide on demand support in quick reaction and immediate demand situations
- Proficient Microsoft Office Suite skills (Word, Excel)
- Bachelor's Degree plus minimum 5 years of experience in a renewables EPC environment
- Knowledge of ERP Netsuite, Salesforce, SharePoint, will be an advantage

Fun

We are always looking for employees who are excited by challenges and the opportunity to be problem-solvers. Our entrepreneurial mindset allows for creativity, sense of urgency and fulfillment. Our employees love what we do and are passionate about the way we power our world.

- The Fluence Digital team is highly motivated by developing advanced optimization strategies to transform the way we power our world. We are deeply concerned by our changing climate and excited to have the opportunity to play a part in making low-carbon projects more viable.
- The role will be based in Fluence Digital's San Francisco office (remote candidates will be considered), and will report to the VP Operations & Strategy, with close interaction with Product, Data Science, Engineering, and Commercial teams. The role will grow over time as Fluence scales its SaaS products to new customers, types of energy assets, and markets.

GET IN TOUCH

Please send your resume and cover letter to careers@fluenceenergy.com

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.