

OPEN POSITION ANNOUNCEMENT

Data Engineer

Open until filled. Posted April 29, 2026.

San Diego County, hybrid work schedule set by San Diego Community Power

About the Role

San Diego Community Power is seeking a seasoned Data Engineer to join our growing team of analytics experts who will be responsible for designing, maintaining, expanding, and optimizing our data infrastructure for data collection, management, transformation, and access. A key priority of this role will be to assist in SDCP's development of centralizing its data eco-system to allow for creation of pipelines that convert raw data into usable formats for data analysts and other data consumers to utilize. The Data Engineer will handle the core data aspects of software engineering and data science and utilize software engineering principles to develop algorithms that automate the data flow process. They will collaborate with data and system analysts to build machine learning and analytics infrastructure from testing to deployment.

About San Diego Community Power

San Diego Community Power is a community-driven public agency providing clean energy to nearly 1 million customer accounts across the San Diego region. Formed in 2019, Community Power purchases energy from renewable sources, which SDG&E delivers through its power lines. As a not-for-profit, any revenues beyond operating costs are reinvested in our local communities.

Commitment to Diversity

Community Power is an Equal Employment Opportunity (EEO) and American Disabilities Act (ADA) employer. Community Power values diversity and is committed to fostering an inclusive environment for all employees. We strive to hire employees reflective of the diverse communities that we serve. We provide equal employment opportunities to all applicants and prohibit discrimination and harassment of any kind, regardless of race, color, national origin, sex, gender identity or expression, sexual orientation, age, disability, protected veteran status, or any other characteristic protected by federal, state or local laws.

Primary Duties & Responsibilities

- Building and maintaining a centralized cloud-based data infrastructure for optimal extraction, transformation, and loading of data from a wide variety of sources.
- Assemble large, complex data sets that meet functional/non-functional business requirements.
- Developing data tools and APIs for data analysis.
- Deploying and monitoring machine learning algorithms and statistical methods in production environments to solve organizational needs.
- Ensuring data accessibility and security and implementing company data policies regarding data privacy and confidentiality.
- Improving data systems reliability, speed, and performance.

- Build analytics tools that utilize the data pipeline to provide actionable insights into customer trends, operational efficiency, and other key business performance metrics.
- Collaborating with other internal teams, data analysts, and other stakeholders to understand and optimize how data can be leveraged to meet business needs.
- Assist in drafting data and analytics' solicitations and in the selection of consultants.
- Assist with drafting staff reports and presentations for Board and Committee meetings.
- Performs other related duties and responsibilities as required.

This job description may not be inclusive of all assigned duties, responsibilities or aspects of the job described and may be amended at the discretion of Community Power as needed.



Skills & Qualifications

Required Skills & Qualifications

- Advance working knowledge of SQL, experience working with relational databases, query authoring (SQL) and working familiarity with various databases.
- Demonstrated experience in developing API and integrations to support analytics in cloud environment.
- Experience building and optimizing 'big data' data pipelines, architectures, and data sets.
- Experience performing root cause analysis on internal and external data and processes to answer specific business questions and identify opportunities for improvement.
- Strong analytic skills related to working with unstructured datasets.
- Build processes supporting data transformation, data structures, metadata, dependency, and workload management.
- A successful history of manipulating, processing, and extracting value from large, disconnected datasets.
- Working knowledge of message queuing, stream processing, and highly scalable 'big data' data stores.
- Good understanding of data architecture, data design, data warehousing and data modeling concepts.
- Strong project management and organizational skills.
- Experience supporting and working with cross-functional teams in a dynamic environment.

Preferred Skills & Qualifications

- Experience in the energy sector and/or supporting the implementation of programs funded by California state agencies (e.g., California Public Utilities Commission, California Energy Commission, California Air Resources Board).
- Ability to strongly represent the organization in various professional engagement settings from local to national convenings (conferences, workshops, executive meetings, etc.).

Education & Experience

Any combination of education and experience that would provide the above skills and qualifications is acceptable. Typical methods to obtain the required qualifications include:

Minimum of two (2) to three (3) years of professional experience in a Data Engineer role, preferably in the energy industry with a graduate degree in Computer Science, Statistics, Informatics, Information Systems or another quantitative field. The candidate should also have experience using the following software/tools:

- Experience with big data tools: Hadoop, Spark, PowerBI, Kafka, etc.
- Experience with AWS, Azure and Google Cloud services.
- Experience with relational SQL and NoSQL databases.
- Experience with data pipeline and workflow management tools: Azkaban, Luigi, Airflow, etc.
- Experience with open-source technologies: Python, Pytorch, Flask, Tensorflow or Keras
- Experience with stream-processing systems: Storm, Spark-Streaming, etc.
- Experience with object-oriented/object function scripting languages: Java, C++ etc.
- Experience with batch, micro-batching and real-time data ingestion methodologies.
- Experience with GitHub or similar code repositories

Work Environment & Condition

Prolonged periods sitting at a desk and working on a computer is required. The occasional carrying, lifting and/or moving objects up to 25 pounds is required. Occasional local travel and reliable transportation to attend Community Power public meetings, events and workshops on an as-needed basis is required.

Community Power employees work in the office and in the communities we serve. Community Power works to ensure a safe and healthy workplace for its employees and members of the community. Employees are required to be fully vaccinated for COVID-19.

Community Power is a public agency required to adopt and promulgate a Conflict of Interest (COI) Code. The COI Code requires employees in designated positions (including those identified under the interim disclosure process) to file a Statement of Economic Interests (Form 700) on an annual basis. A candidate accepting this position may be required to file COI forms subject to the regulations of the Fair Political Practices Commission.

Compensation

Salary Range

The position's salary range is \$84,900 - \$110,400 with exact compensation to be determined by Community Power, depending on the candidate's experience.

Benefits

Standard benefits package include, but are not limited to:

Insurance: Community Power offers group health benefits, including medical, vision and dental insurance for eligible full-time employees. Community Power pays 100% of group health benefits, including medical, vision and dental insurance premiums for employees and dependents. Community Power also pays for a \$100,000 life and accidental death and dismemberment policy, short-term disability and long-term disability.

Retirement: Community Power offers a 457(b) plan for employee contributions and contributes 10% of eligible compensation to the employee's Money Purchase Plan.

Paid Time Off: Community Power offers 11 holidays per year, plus a paid winter holiday (between December 24 and December 31); 160 hours of accrued paid time off (increases with time in service); and 96 hours per year of accrued paid sick leave.

How to Apply

Applicants must submit their resume, cover letter and references through Community Power's recruiting platform, Greenhouse. Applicants can access the platform at [Job-Boards.Greenhouse.io/SanDiegoCommunityPower](https://job-boards.greenhouse.io/SanDiegoCommunityPower) or by clicking "View Open Positions" on Community Power's "Careers" webpage: SDCommunityPower.org/Careers.

