



November, 2020

Only five battery chemistries have been commercialized in the last two centuries. Natron Energy has delivered the sixth. Natron's products offer breakthrough performance for applications requiring high power or extreme cycle life, such as data center backup power and EV fast charging support. Our technology can be manufactured utilizing standard Lithium Ion facilities, allowing Natron to scale quickly and efficiently. Customer trials have been successfully completed, and the company is scaling rapidly to meet market demand. Natron is backed by seven leading venture capital and strategic investors.

Natron is seeking a data engineer to lead and assist projects for the development of data management, analysis, and visualization tools for data sets generated from designed experiments, containing electrochemical and physical data of battery materials, components, cells, modules and packs. The person in this position will work in a small team of engineers that is responsible for the collection, management, analysis, and distribution of all of the battery manufacturing and test data Natron generates. This person will lead the development and maintenance of existing database systems (SQL) and data-analysis codebases (Python, etc.). Qualified candidates have prior industrial or significant prior academic experience writing, implementing, and maintaining robust, scalable code systems, as well as initial set up, configuration, and maintenance of database software and infrastructure. The person for this position has a positive attitude, collaborates well, and does what it takes to get the job done. He or she is on a mission to build a company and a product to be proud of.

Responsibilities:

- Build new data models in production
- Work with engineers and process or business owners to understand data needs
- Maintain current data infrastructure and build scalable infrastructure to incorporate expanding manufacturing supply chain
- Build Data Pipelines for ETL processes from database or external data sources for various analysis purposes
- Drive and own Data Quality for areas of ownership
- Create new analysis tools to study key performance metrics
- Craft compelling visualizations to depict process control parameters and product performance metrics

Required Experience and Skills:

- Prior industrial or significant prior academic experience developing data analysis and visualization tools, as well as the software and the infrastructure to host, store, and organize the data.
- Strong foundation of programming fundamentals—style practices, design patterns, data structures.
- Fluent in Python, with experience using packages like numpy, pandas, scikit-learn, matplotlib.
- Fluent in SQL and familiar with database management, schema design and dimensional modeling
- Fluent with version control software such as Git
- Training in statistics relevant to product development and/or manufacturing.
- Effective communicator and comfortable speaking up.
- Has a do-whatever-it-takes attitude, thrives in a fast-paced start up environment and can deliver project deliverables on time.
- A bachelor's degree or higher in a science or engineering field.

Additional Preferred Skills:

- Experience with building data infrastructure to support high volume manufacturing
- Familiar with Airflow or other similar scheduling tools
- Familiar with cloud-based Data Warehouse like Amazon, Snowflake, BigQuery, Azure etc.
- Familiar with integrating Data Warehouse with BI tools such as Looker, Power BI, Tableau etc.

Logistics:

- Compensation: competitive with other data engineer positions at pre-revenue Bay Area start up companies
- Hours and duration: permanent position, full time
- Location: Santa Clara, CA (remote during covid restrictions)

Contact Information:

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