



Senior Data Engineer

Location: Berkeley, CA

“The battery is the technology of our time.” -The Economist

Voltaiq's cloud-based Battery Intelligence software platform brings unprecedented data analytics, visualization, and predictive capabilities to any company with a battery-powered business model. Top automakers, consumer electronics, and energy storage companies use Voltaiq to accelerate product development, improve performance, ensure safety and reliability, and secure financing for their products. Our high-powered team comprises PhD scientists, expert data professionals, and battery industry veterans, all passionate about enabling the global energy transition. Voltaiq has offices in Brooklyn, NY and Berkeley, CA, serving customers around the world.

The Role:

At Voltaiq, we receive battery test data from research labs, manufacturers, and deployed energy systems around the world. As our Senior Data Engineer, you will guide the design and development of our backend data platform to handle these incoming data streams and serve data to internal and external consumers. You will develop scalable systems for data processing, storage, and access, supporting the analytics and machine learning activities of our customers and data science team. You will learn how data is used in battery research and manufacturing, and in the systems of mobile devices, electric vehicles, and the power grid. If you love data, have an interest in machine learning, and want to have a positive impact on how the world consumes energy, then this is the job for you.

Responsibilities:

- Design and build scalable data processing pipelines.
- Design and build data access services and tools for analytics and machine learning.
- Communicate data platform architecture to other members of the Engineering team.
- Understand the evolving needs of the customer-facing product and data science teams, and how these will be served by the data platform.
- Provide visibility into the structure, state and performance of the data platform.
- Ensure data confidentiality, integrity, and availability for our customers.
- Lead and mentor Data Engineers to help fulfill the responsibilities above.

Voltaiq, Inc.

15 Metrotech Center • 19th Floor • New York, NY 11210

2150 Shattuck Avenue • Suite 704 • Berkeley, CA 94704

www.voltaiq.com

**Qualifications:**

- Experience designing, building, testing and deploying ETL data pipelines.
- At least 10 years of combined experience with Scala, Java, or Python.
- Proficiency with SQL queries and SQL performance analysis and tuning. Experience with Postgres a plus.
- Working knowledge of one of: Tensorflow, Spark, Kafka or MapReduce.
- Strong understanding of:
 - Data modeling
 - Distributed systems
 - Functional programming concepts
 - Unit and integration testing
 - Development process and agile methodologies
- Strong teamwork and mentorship skills.
- Strong communication skills both verbal and written. Comfortable with remote work and communicating effectively through real-time text, audio, or video chat.
- Undergraduate or advanced degree in Computer Science or another quantitative/analytical field.
- Experience with Cassandra, Redshift, or Hive a plus.
- Knowledge of machine learning tools and techniques a plus.

Competitive salary plus equity and full benefits. Our office is located in Berkeley, CA.

Voltaiq is an equal opportunity employer and is committed to achieving a diverse workforce through application of its equal opportunity and nondiscrimination policy, in all aspects of employment.