Job Description: Research Data Engineer
Cala Health, Inc.

About Cala Health

Cala Health is a bioelectronic medicine company transforming the standard of care for chronic disease. The company's wearable neuromodulation therapies merge innovations in neuroscience and technology to deliver individualized peripheral nerve stimulation. Cala Health's lead product, Cala Trio™, is the only non-invasive prescription therapy for essential tremor and is now available through a unique digital business model of direct-to-patient solutions. New therapies are under development in neurology, cardiology, and psychiatry. The company is headquartered in the San Francisco Bay Area and backed by leading investors in both healthcare and technology. For more information, visit CalaHealth.com.

The Opportunity

Cala Health is seeking a Research Data Engineer to be a part of a fast-moving team.

In this role, the Research Data Engineer will be responsible for expanding and optimizing our data and data pipeline architecture to support early-stage research activities, as well as optimizing data flow and collection for cross-functional teams and external partners.

The ideal candidate is an experienced data pipeline builder and data wrangler who enjoys optimizing data systems and building them from the ground up. The Research Data Engineer will be supporting and collaborating with data science and clinical operations on data initiatives under the Cala Labs division, helping to ensure optimal data delivery for new initiatives. The Research Data Engineer must be self-directed and comfortable supporting the data needs of multiple teams, systems, and products.

Specific responsibilities include:

- Work closely with Data Scientists and cloud architecture team to create and maintain data pipelines for research teams
- Enable analysis and generation of insights from structured and unstructured data
- Ingest, process, and analyze large, complex data sets from Cala wearables, partner systems, EMR systems and 3rd party clinical sources in order meet research requirements
- Build solutions that provide end-to-end management and traceability of patient longitudinal data, enable and optimize internal processes and support product features
- Build and develop tools to support the use of AI / ML and other analytical models to improve understanding of patient behavior, provider prescribing, the patient experience on treatment, treatment patterns and more.
- Identify, design, and implement internal process improvements: automating manual processes, optimizing data delivery, parallelization, re-designing infrastructure for greater scalability, etc.
- Develop data solutions/applications using NoSQL, SQL, and tools such as DashDB, MySQL, MongoDB, Snowflake, Tableau, etc.
- Build research tools, interfaces & dashboards that allow non-technical users to query data from a database and visualize data in intuitive layouts and interfaces

Desired Skills and Experience

- Master's or bachelor's degree in Computer Science, Engineering, or related field
- 2+ years of experience of Programming experience in Python (preferred) or other programming language
- 2+ years of experience in Data Warehousing, ETL development, and high dimensional data modeling
- 2+ years of experience in working with relational databases, including writing SQL and NoSQL statements to read, analyze, and write data
- 2+ years experience with AWS and working knowledge of AWS data management, including EC2, S3, Lambda, and Cloud Formation
- DevOps processes, and technologies (BitBucket, testing framework, Git controlled software)
- Prior experience with distributed analytic processing technologies (Spark/PySpark) and streaming analytics (e.g., Kafka or AWS Kinesis) a plus
- Familiar with health data, physiological time series and related algorithms is a plus
- Experience with one or more data analytics and visualization packages (Tableau, Quicksight, MicroStrategy) a plus
- Superb verbal and written communication skills
- Excellent organizational skills along with strong attention to detail
- Ability to work both independently and collaboratively with small, cross-functional teams

If you or someone you know might be interested in this position, please submit a resume & an introductory email to **careers@calahealth.com**