



Job Description: Senior Data Engineer

About Spacetime Labs

Spacetime Labs (www.spacetimelabs.ai) is a Brazilian company — part of Spacetime Ventures portfolio (www.spacetimeventures.com) — founded in 2014 that develops and operates automated AI platforms for planning, optimization and risk management of broad segments of the economy that are dependent on natural resources and are exposed to climate and water risk. Our teams include deep business operations, machine learning and computer vision, biophysical sciences, software and data engineering, robotics engineering, project management and UX & data visualization design expertise and skills who work in multi-disciplinary teams to solve complex planning, optimization and risk management problems.

We are seeking for data engineers to design and build scalable data systems to process a large amount of data from unstructured data and structured tabular sensor data, UAV, satellites and other sources to enable the construction of machine learning and deep learning models that create real impact.

As a Senior Data Engineer, you will:

- Work with other teams to guarantee data exchange.
- Design and build systems to extract and store information in data lakes, databases and other storage systems from unstructured and structured sources like tabular data, sensor, satellite, UAV and other sources.
- Continuously improve the ETL workflow and monitoring.
- Define data storage, usage policies and security policies.
- Carry out regular tests to simulate attacks and identify failures.
- Write technical documentation.

Required qualifications.

- BSc/BA in Computer Science/ Engineering, Engineering, Physics, Mathematics or relevant mathematically intensive fields.
- Comfortable working within an agile and iterative prototyping in startups.
- Knowledge of systems architecture.
- Knowledge in data-lake deployment and usage.
- Solid knowledge of cloud computing (preferably AWS).
- Good knowledge of Relational Databases (such as PostgreSQL, MySQL).
- System documentation good practices.

Desirable (non-essential) qualifications

- Experience with Python.
- Experience in GIS, geoprocessing / geospatial data.
- Experience in Devops or production software deployment.
- Experience designing and operating SQL and NoSQL DBs.
- Knowledge of Data Warehouse, Data Lake and ESBs best practices/conventions.
- Knowledge in message queues systems (ex. RabbitMQ, Kafka, SQS).

If you have interest, please send your CV to cc@spacetimeanalytics.com