

Job Title: Lead Data Engineer [APPLY](#)

Location: Luxembourg, fulltime

METRICSAT is an early-stage startup. METRICSAT automates environmental risk assessment for financial institutions. Our mission is to empower financial institutions with reliable, quantifiable environmental risk and impact metrics for an investment. As part of our small, dynamic team, you will play a foundational role in pioneering a first-of-its-kind solution.

We are seeking an experienced Data Scientist with deep expertise in spatial data. As a Data Scientist, you will play a pivotal role in designing, building, and developing highly scalable cloud-based workflows, algorithms and data pipelines, with a strong emphasis on automation, efficiency, and scalability.

Responsibilities

- Integrate multiple data sources, including satellite airborne and insitu, both public and proprietary.
- Optimize data ingestion and processing workflows for real-time and batch processing.
- Ensure data integrity, quality, and consistency across multiple sources.
- Implement data governance, security, and compliance measures.
- Build scripts and automations for data processing, using tools like QGIS, GeoPandas,
- Collaborate with ML engineers, environmental scientists, and software architects to integrate data processing frameworks.

Requirements

- 5+ years of experience in data engineering, with specific expertise in satellite/geospatial data processing and analysis.
- Proficiency in Python and experience with libraries like Pandas, NumPy, SciPy
- Familiarity with SQL and geospatial databases (e.g., PostgreSQL/PostGIS).
- Comfortable with cloud infrastructure (Azure, AWS, or GCP), containerization tools (Docker), and version control (Git).
- Knowledge of AI/ML concepts applied to geospatial data is a plus.
- Experience with containerization (Docker, Kubernetes) and CI/CD for data pipelines.
- Familiarity with data security, GDPR, and regulatory compliance frameworks.
- Proven ability to architect complex data solutions from scratch
- Knowledge of AI/ML concepts applied to geospatial, remote sensing, and environmental datasets is a plus
- Proficiency in spoken and written English.

IMPORTANT: Already a resident in Europe or has European visa

Benefits

- Competitive salary
- Flexible hybrid work environment
- An independent role with a supportive and diverse work environment
- Possibility of stock option.