

Data Engineer

Last updated May 2026

Use your data and coding skills

Use your coding and data skills to work on the most important challenge of our time: shifting the world to clean energy.

Description

Ember publishes the best-in-class dataset on global electricity generation and the data team is growing as we expand our datasets to new areas such as installed renewable capacity, price, battery storage, grids and flexibility, EV and heat pump deployment.

We are looking for someone to use their data and coding skills to ensure we can quickly gather and curate data from new sources, as well as helping to run, maintain and document existing data pipelines.

This role offers an exciting opportunity to learn from a knowledgeable and passionate team of engineers and analysts while applying your development skills towards the clean energy transition.

Key responsibilities

- Develop new ETL scripts using python to gather and validate data from a variety of sources e.g. APIs, web scraping.
- Work with our data engineering team to deploy ETL scripts within our orchestrated data platform based on Dagster and BigQuery.
- Help run, maintain, and improve existing data pipelines
- Help ensure that our pipelines are written using best coding and data practices
- Help ensure Ember's data and output are of the highest standard

Location: fully remote (UTC +00 - UTC +4)

Requirements

Must have

- At least one year experience developing and deploying python code
- Experience working with SQL databases
- Numerate and data literate, with excellent data extraction and transformation skills
- A thoughtful and selective approach to the use of AI coding tools and the ability to critically evaluate their outputs.
- Fluent in spoken and written English
- Passionate about clean energy

- Driven and keen to learn
- Systematic with careful attention to detail
- Ability to work as part of a remote international team

Nice to have

- Experience developing data pipelines on an orchestration platform such as dagster (preferred), airflow, dbt or prefect
- Experience with version control software such as git
- Experience working on cloud platforms, such as GCP (preferred), AWS or Azure
- Experience working with business users to turn research questions into specific data requirements, and developing to those requirements
- Other language skills
- Previous experience within the power sector or clean energy sector

We are an equal opportunities employer committed to diversity and treating all employees with dignity and respect regardless of background.

Benefits

Salary: £36,587 - £44,903. Salaries may be adjusted depending on a location cost of living formula, but will not be below 75% of advertised figure.

Contract: Full time (but only working 9 days every fortnight with no reduction in pay), permanent subject to a 3 month probationary period. For employees based outside of the UK, a local payroll contract is available, dependent on the country.

Remote culture and diverse team: Ember is a remote-first organisation, with talents of diverse backgrounds from 15+ countries over the world. We have two yearly in-person meetups that are typically in Europe.

Further benefits: We offer a competitive benefits package, including:

- We operate a nine-day fortnight meaning our full-time staff are given every other Friday off work with no reduction in pay
- A minimum of 25 days holiday, plus public holidays
- For each year that you're part of the team at Ember you'll receive an additional day of holiday, up to a maximum of 5 additional days.
- Generous paid maternity and paternity leave
- Flexible working conditions, including the opportunity for part-time work and home working.
- Access to a local working space can be arranged
- Free annual eye tests
- Access to a counselling service
- Funding and allocated time for your training and development
- Paid volunteer day
- Four paid days off to enable low carbon travel
- Time off to donate blood

About Ember

Ember is an independent, not-for-profit energy think tank that aims to accelerate the

clean energy transition with data and policy. We gather, curate and analyse data on the power sector and coal mine methane emissions, and use our findings to improve energy and climate policy.

See our work at <https://ember-energy.org/> and <https://www.linkedin.com/company/emberenergyresearch>