

– CAREERS | PRODUCT

Senior Data Engineer

Own the data stack at the asset intelligence platform turning product-level data into smarter equipment decisions.

First dedicated data hire. London (Hybrid).

Why this role exists

NiscAI is an asset intelligence platform. We give buyers and manufacturers decision-grade data on the whole life cost and carbon footprint of the equipment they specify, buy, and operate.

Our deepest traction is in UK commercial foodservice, with active expansion into the wider built environment. A growing data moat built on manufacturer relationships and validated methodology.

25,000+

PRODUCTS ON THE
PLATFORM

30+

MEMBER
ORGANISATIONS

0%

CHURN SINCE LAUNCH

Data is our product. The pipeline that aggregates product-level energy and environmental data from public databases, manufacturer submissions, and third-party sources is the foundation everything else sits on. Benchmarking, comparison, trend analysis, regulatory readiness signals: all of it runs off that foundation.

This is our first dedicated data hire. You will own the full stack, from pipeline architecture through to the intelligence products our buyers and manufacturers use every day.

The shape of the role

Hands-on. High-ownership. Direct influence on product direction and company strategy.

You will work directly with the Head of Product and engineering, with no layers between you and the work that ships. You will make the architectural calls, set the quality bar and see your output in the hands of users within weeks.

What you will do

DATA PIPELINE AND INFRASTRUCTURE

- Own and extend the pipeline that aggregates product energy data from EPREL, Energy Star, UK ETL, and other sources into a unified database.
- Identify, evaluate, and onboard new data sources to expand product and environmental coverage across categories and geographies.
- Design and maintain normalisation and transformation processes so data from disparate sources can be compared and queried consistently.
- Build data quality frameworks: validation rules, completeness scoring, anomaly detection, and freshness monitoring.

INTELLIGENCE AND ANALYTICS

- Develop benchmarking models that let manufacturers and buyers compare products on whole life cost, energy efficiency, and carbon footprint.
- Build procurement insight tools: category-level analysis, product comparison scoring, and trend tracking.
- Design and ship predictive and recommendation capabilities, such as flagging products at risk of non-compliance or surfacing lower-cost, lower-carbon alternatives.
- Support product in defining key metrics, running experiments, and making data-informed decisions.

DATA STRATEGY AND GOVERNANCE

- Shape Niscai's data strategy: which sources, enrichments, and intelligence features deliver the most value.
- Define data governance practices (ownership, lineage, versioning, access controls) as the platform scales.
- Map data requirements against evolving regulatory frameworks, particularly EU Digital Product Passport and UK sustainability reporting standards.

COLLABORATION

- Work with engineering to ensure pipelines are production-grade, scalable, and well-documented.
- Partner with product to turn data capabilities into features that create value for buyers and manufacturers.
- Communicate findings and recommendations clearly to both technical and non-technical audiences.

What we are looking for

ESSENTIAL

- 5+ years in data engineering, analytics engineering, or a data science role with strong engineering emphasis.
- Strong Python with hands-on experience building and maintaining ETL/ELT pipelines.
- SQL databases and data modelling.
- Track record working with messy, real-world data from multiple sources and formats.
- Data quality, validation, and normalisation at scale.
- Able to communicate complex data concepts to non-technical audiences.
- Comfortable making sound architectural calls in a startup without extensive oversight.

DESIRABLE

- Sustainability, carbon accounting, environmental data, or regulatory compliance data.
- Familiarity with public data APIs (EPREL, Energy Star, or similar government and institutional sources).
- Experience building internal or customer-facing data products.
- Exposure to machine learning or statistical modelling in a product context.
- Experience in a B2B marketplace or platform environment.

Why join Niscai

Meaningful equity in an early-stage company. You will be our first dedicated data hire, joining at a stage where your work directly shapes the product and the company's trajectory. The equity reflects that.

Work that matters. Every pipeline you build, every quality improvement you ship, translates into better procurement decisions and measurable cost and carbon reductions. Data is the product.

Ownership from day one. You will own the full data stack. No layers of management, no waiting for approval. You will make the architectural calls, set the quality bar, and see your work in the hands of users.

A team that is already working. 25,000+ products on the platform. 30+ member organisations. 0% churn since launch. A founding team with deep domain expertise in carbon methodology, commercial energy systems and sustainability strategy.

The practical stuff

TITLE	LOCATION
Senior Data Engineer	London (Hybrid), UK based
COMPENSATION	TYPE
Competitive + equity, depending on experience	Full-time, permanent

How to apply

Send a CV and a short note on why this role looks interesting to you to careers@niscai.com. We are particularly keen to hear about experience with environmental, energy, or sustainability data, or building data products in a startup or scale-up setting. We read and reply to every application.

About Niscai

Niscai is an asset intelligence platform. We turn product-level data into decision-grade intelligence on whole life cost, giving buyers the information they need to stop making expensive guesses and giving manufacturers the tools to prove their products' superiority.

Niscai is the rebrand of ImpactLoop. Same team, sharper positioning.