

Data Scientist

Location: Nottingham / Manchester

Position Type: Full Time

Banding/Salary: Individual contributor Level 2 (up to 50k)

About Us:

System Loco is at the forefront of the Cloud IoT Analytics, revolutionizing data analytics in supply chain and asset management through innovative cloud technology and IoT solutions. We are seeking a detail-oriented and experienced Technical Writer to join our dynamic team to enhance our documentation and user support materials.

Job Description:

We are seeking a highly skilled **Data Scientist** with a strong focus on **IoT** and handling **large-scale big data**. This role will involve working with cutting-edge data science techniques to analyse and optimize massive IoT datasets. The ideal candidate will have deep expertise in data processing, machine learning, and applied statistics, with practical experience in the supply chain and logistics sectors being highly desirable.

Key Responsibilities:

- Design, develop, and deploy scalable machine learning models using IoT data to drive business insights and optimizations.
- Process and analyse vast amounts of data from IoT sensors and devices using MongoDB, Python, and related data science libraries (e.g., scikit-learn, pandas, matplotlib).
- Build, manage, and maintain datasets from AWS services, including S3, Glue, and Redshift.
- Develop advanced neural networks, transformers, and traditional machine learning models (classification, regression, clustering, etc.).
- Act as a mentor to future junior team members, providing in-house training and explanations on working with MongoDB at scale, machine learning techniques, and when to leverage statistical methods over machine learning.
- Collaborate with cross-functional teams to apply statistical techniques in real-world applications, ensuring actionable results in the context of supply chain and logistics.
- Drive innovation in machine learning and AI within the company, leveraging industry trends and breakthroughs.

Skills and Qualifications:

- Proven experience working with IoT data and big data solutions.
- Strong knowledge of Python and supporting libraries like scikit-learn, pandas, and matplotlib.
- Expertise with MongoDB for handling large, complex datasets.
- Proficiency in working with AWS tools, especially S3, Glue, and Redshift for data extraction and processing.



- Hands-on experience with neural networks, transformers, and a variety of machine learning techniques (classification, clustering, regression, etc.).
- Deep understanding of statistics and its application in real-world business scenarios.
- A master's degree or higher in Mathematics, Physics, Computer Science, or a related field.
- Strong industry experience in applied statistics and proven ability to translate findings into business strategy.

Additional Details

Industry

- System Loco focus on logistics and specifically the supply chain. Experience in supply chain would be extremely useful.

Work Environment

- Work is hybrid with working from home available, but some days required in the office (Manchester).
- Teams is used to communicate with the business with Around used by the development teams as a “drop in and chat” / longer meeting format tool.

Company Culture

- At System Loco, innovation, strategic foresight, and proactive market engagement are extremely important.
- System Loco work lean, with few ceremonies and focus on personal management and ownership.
- System Loco work collaboratively in an open working environment. All ideas are welcome, supported and celebrated.

