



## Jr. Data Scientist/Developer – London

### Overview of Vitol

The Vitol Group is one of the largest independent energy trading groups in the world and operates through a global group of companies.

Although mainly a physical oil trader, the Group is now broadly based – with active trading operations in gas, coal, power, non-ferrous metals, derivatives and sugar. Essentially, we trade energy: we create markets for fuel products; we deliver cargoes, safely, on-specification and on-time; we provide extensive terminal and storage facilities; and we engineer innovative financing structures to the benefit of our customers. Through the Vitol Foundation, we are also active in charitable funding to benefit severely deprived children in Asia, Africa, Latin America and CIS.

Founded in Rotterdam in 1966, today the company has nearly 50 offices worldwide – with its largest operations in Geneva, Houston, London and Singapore.

### Who are we?

It isn't ships or terminals or cargoes that create our success: it's the calibre of our people.

Being a global business, they come from all over the world and represent a vibrant mix of different nationalities, educational backgrounds and life experiences. In fact, today, people from around 60 different countries work for the Vitol Group, all around the world. They continue to build our reputation as a leading player in the energy markets through their creativity, commitment, professionalism and entrepreneurial spirit.

### Position Summary

The role of the junior data scientist/developer is to assist the business and the data science team to standardize and structure various sources of data. They will assist the data science team on machine learning and data mining projects. They will engage directly with traders, brokers, analysts, and researchers across nearly all aspects of Vitol on various Data Visualization projects and small Ad-hoc developments. The role will also involve work with Vitol development teams in London, Geneva, and Houston, across a variety of internal development projects.

Responsibilities include:

- Standardizing and structuring data in clear, extensible, and easily understandable ways for future algorithmic processing.
- Working with data originators on best practices for data consistency,
- Applying machine learning models to heterogeneous data sets for Vitol business applications
- Visualizing data and insights.
- Building data expertise and owning data quality for allocated areas of ownership.
- Interfacing with core development teams in Houston and Geneva.



### **Qualifications and Experience**

- Recent graduate in computer science or related discipline with a high degree of programming required.
- Fluency in Python (3)
- Fluency in SQL (Oracle preferred but other flavours acceptable)
- Experience in any NoSQL, and Map-Reduce frameworks.
- Coursework in math, statistics, and machine learning preferred.
- 1-2 years in industry working as a data scientist or data engineer a plus.
- Demonstrable attention to detail
- Experience presenting data visually to a wide audience (via D3, Qlikview, Tableau, Matplotlib, etc.)
- Exposure to VBA/Complex Excel functionality a plus
- Experience with bash or other shell scripting language a plus

### **Personal Characteristics**

- Methodical and organized
- Strong communication skills, both verbally and in writing
- Proven ability to be flexible and work hard, both independently and in a team environment, in a high pressure on-call environment with changing priorities.
- Highly responsive, energetic and enthusiastic
- Excellent attention to detail with strong analytical, mathematical, and problem solving skills with a willingness to learn
- Self-motivated with the ability to prioritize, meet deadlines, and manage changing priorities, as well as a demonstrable sense of ownership and accountability.
- Resourceful and able to think creatively and adapt. A results oriented individual who thrives working in a fast paced environment.
- Team player, with an open non-political style and a high level of personal integrity.
- Willingness to work occasionally outside of normal business hours.