

Software Engineer – Software Data Analysis

White City, London

The Role

As our Software Engineering team in London continues to grow, we have a new opportunity for a Software Engineer to join the Software Data Analysis division.

The Software Engineer provides data analysis that informs and validates DNAe's R&D and product development strategies, owning, build and developing company wide data dashboards, sourcing medical, scientific, engineering and performance data from DNAe's suite of software products.

This role works alongside the Data Analysis team and acts as the conduit between the Software team and the Data Analysis team. The Software Engineer role will sit within the Software Data Analysis team and report to Lead Software Engineer

Duties and responsibilities

- To act as the owner of DNAe's data pipeline(s) to:
 - Develop data analysis strategies for, but not limited to, scientific, engineering and medical data
 - Develop data capture strategies for the loading, storing and transformation of data for analysis
 - Oversee data management including DNAe's multi-experiment data store
 - Develop visualizations/dashboards - front end/web based
 - Present data to internal and external customers including internal scientific, engineering and technical teams as well as Senior Management. For example, at the monthly Technical Update meeting
- Support and collaborate with key stakeholders, working directly with the scientific/multi-disciplinary teams to guide product development and refinement.
- Develop a strategy to assist with medical device validation.
- Act as a super user/administrator for bespoke data management tools
- Responsible for collecting, organizing, and analyzing the data coming from different sources, for example:
 - Medical device (product and R&D)
 - R&D/Scientific data e.g. Jupiter notebooks
 - QC test data including manufacturing data
 - Suppliers' performance and test data
 - Other trusted sources e.g. genome studies
- To act as the subject matter expert (SME) for data management, including but not limited to coaching scientific and engineering teams on good practice and tools.

Qualifications & Experience

Required experience:

- MSc or PhD in Information Systems, Management Information Systems, Mathematics, Physics, Statistics, Analytics or Actuarial Science, or an equivalently technical discipline. Alternatively, extensive software product development experience
- Extensive experience of Data Analysis work; including data management, transformation and visualization
- Experience with Numpy, Pandas, Scipy and other Python data processing modules
- Experience of development of Machine Learning systems

Desirable experience:

- An understanding of software engineering practices
- Knowledge of programming languages such as Python, C, and C++
- Experience in PyQt or Qt is a plus
- Experience in developing laboratory information systems (LIS) is a plus
- Experience of using data visualisation tools
- Experience in object storage
- An interest in working in healthcare/MedTech/Biotech
- Knowledge of working in a medical or other regulated environment
- Experience in a data analyst or related role in the healthcare sector and knowledge of DNA sequencing techniques

Workplace

This role is based at Scale Space, White City.

A hybrid working arrangement is available for this role, at least two days in the office in West London are required per week. (This may be after initial induction period).

Apply

To apply please email careers@dnae.com with your CV and salary expectations. Please include any other information you would like us to consider.

We are currently not sponsoring visa applications for this particular role therefore right to work in UK would also need to be confirmed in your application.