Medicines & Healthcare products Regulatory Agency

MHRA
Regulating Medicines and Medical Devices

Role Description

Job Title	Data Scientist (Power BI Developer)
Pay Grade	SEO
Location	London
Hours	37 hours per week (excluding lunch break)
Reports to	Senior Data Scientist

The Medicines and Healthcare products Regulatory Agency enhance and improve the health of millions of people every day through the effective regulation of medicines and medical devices, underpinned by science and research.

About the Group and Function

Technology, Digital, Data & Delivery (TD3) lies at the heart of the Agency and is responsible for delivering an optimised IT infrastructure and maximising the secure use of data to enable the rest of the organisation to deliver world class services. Its centre of excellence is also responsible for delivering a broad portfolio of change initiatives, both to transform the Agency's legacy technologies and to deliver innovative new solutions, designed around our customers' needs. TD3 works in a holistic way to combine digital and technology change, project deliver, business process, product management and cultural change to maximise out impact and ensure sustainability.

The Data & Information Governance function is responsible for leading on data and information governance, ensuring that the Agency can access the data it needs when it needs it, including supporting the technology roadmap by providing security and privacy and for leading the management protocols on data, information security and privacy, in order to ensure that the Agency can draw maximum insight from the data it holds.

Role Purpose

You will design and develop reports and dashboards connecting data from several data sources.

- Developing analytics over existing and new data sources to provide insight to stakeholders

- Recognising opportunities to re-use existing data

- Improving data quality

Key Responsibilities and Results Areas

- Understand business requirements in BI context and document requirements

- Design dimensionally modelled data models for reporting

- Create functional, operational, visually interactive reports and dashboards using Power BI.

- Write SQL queries to connect data sources

- Ingest data from a variety of data sources and performing required transformations using Power Query and Data Flows.

- Automate, publish and schedule Power BI reports

- Maintain and update Power BI Gateway

- Create reports using MS BI Stack of tools, such as Data Factory, Data Lake and SQL Server

- Skilled at performance tuning Power BI dashboards and creating fit for purpose underlying data structures including data transformation / 'data wrangling' skills

- Communicate with business as well as technical teams

- Implement row level security on data and productionise

- Undertake Power BI support, development and troubleshooting as required

- Deliver user training, assist in training the trainers and create end user documentation and training materials

The job description is not intended to be exhaustive and it is likely that responsibilities and outcomes may be altered from time to time in the light of changing circumstances and after consultation with the postholder.

Person Specification

Important Candidate information:

The Civil Service use a recruitment framework called *Success Profiles*. Success Profiles are made up of 5 elements: **Ability, Behaviours, Experience, Technical, Strengths** but it is unlikely that you will be assessed against all 5.

Behaviours, **Experience** and **Technical** elements will be assessed through your application form, in the first instance.

Success Profile	Criteria	Method of assessment: A-Application, T-Test, I-Interview, P-Presentation
Behaviour	**Delivering at Pace** - Act promptly to reassess workloads and priorities when there are conflicting demands to maintain performance ensuring results are achieved on time whilst still enabling innovation.	A, I
Behaviour	**Making Effective Decisions** - Present strong recommendations in a timely manner outlining the consideration of other options, costs, benefits and risks, inviting challenge and where appropriate involving others in decision making.	I
Behaviour	**Seeing the Big Picture** - Understand the strategic drivers for your area of work and remain alert to emerging issues and trends which might impact your work area.	I
Experience	**Communicating between the technical and the non-technical** Able to communicate effectively across organisational, technical and political boundaries, understanding the context and using simplified language for audiences.	A, I

Experience	**Data Integration Design** Develops fit for purpose, resilient, scalable and future-proof data services to meet user needs. Demonstrable understanding of how to link data from multiple systems and deliver streaming services.	A, I
Experience	**Data Modelling** Produces data models and understands different tools and where to use different types of data models.	I
Experience	**Business Analysis** The ability to analyse and solve complex problems and concepts and make disciplined decisions based on available information ensuring the business solution aligns with the business and user needs.	I
Technical	• You will hold a degree in Computer Science or equivalent. • Microsoft Certification in Power BI or equivalent • Proficient in Analytics tools such as Power BI and Python, R, DAX, Power Query, MDAX • Proficient in querying using SQL in different databases including MSSQL Server. • Proficient in creating data pipelines with Data Factory • Proficient in MS Data/BI stack including Data Lake, Azure Analysis Services and Azure Synapse. • Proficient in ETL concepts and usage	A, I

The Civil Service Code

These core values support good government and ensure the achievement of the highest possible standards in all that the Civil Service does. You can find out more about our values, standards of behaviour and rights and responsibilities in _The Civil Service Code._

Agency Values

The code is reflected in the Agency's values, which state that:

- We focus outwards on patients and public
- We work together with respect
- We take responsibility and are accountable

Civil Service Values

Integrity	• Putting the obligations of public service above your own personal interests
Honesty	• Being truthful and open
Objectivity	• Basing your advice and decisions on rigorous analysis of the evidence

Impartiality	• Acting solely according to the merits of the case and serving equally well governments of different political persuasions