**Role Profile**

|  |  |  |  |
| --- | --- | --- | --- |
| **Job title:** | Data Architect | **Level:** | Senior Manager |
| **Reports to:** | Head of Architecture  | **Type of role:** | FTC |
| **About The Role** |
| The Data Architect defines the vision, strategy, and principles for the organisation’s data architecture and management. This will include defining how data (structured, semi-structured, and unstructured) will be stored, consumed, integrated, and managed by different data entities and IT systems, as well as any applications using or processing the organisation’s data in some way. The Data Architect role has ownership of the entire data landscape of the organisation and will need to work with the owners of relational databases, the Content Management System (SharePoint), the data governance framework, and reporting layer to ensure consistency across disciplines. Their key responsibilities will be to: define, own, develop, and curate the Enterprise Data Model (EDM); review changes to the organisations architecture from a data point of view; provide technical governance on projects heavily reliant on data; interface with key stakeholders throughout the organisation on data management, usage, and governance; lead on data designs, standards, and patterns; work with the wider architectural community to ensure Business, Data, Application, and Technology (BDAT) are aligned in the wider Enterprise Architecture.The Data Architect will have the end to end vision as to how the overarching logical design translates into one or more databases, and how the data flows through collection, validation, and mapping and where required, cleansing. |
| **Key Responsibilities** |
| * Produce data models, in particular an Enterprise Data Model but covering the full range of logical, physical, dimensional models and term/tag catalogues; understanding where to use different types of data models and integrating them into a wider picture to traverse from the business glossary through to underlying database implementations and data lake structures.
* Reverse engineer a data model from a live system. Understand industry recognised data modelling patterns and standards. Provide documentation to translate models for technology and business users into core messages that allow others implement enhancements in-line with them. Validate that solutions comply with the EDM and other models as relevant
* Develop and set data standards and patterns for the organisation. Communicates the business benefit of data standards, championing and governing those standards across the organisation
* Understand a variety of metadata management tools and the implementation of such tools for the benefit of Enterprise Data Architecture. Design and maintain the appropriate metadata repositories to enable the organisation to understand their data assets
* Work with metadata repositories to complete complex tasks such as data and systems integration impact analysis. Maintain a repository to ensure information remains accurate and up to date
 |
| **Knowledge, Experience and Skills** |
| **Experience** | **Capabilities (skills/behaviours)** |
| * Able to demonstrate significant experience in database design and data architecture experience
* Extensive knowledge of data warehouse, data architecture and best practices
* Strong data modelling skills (relational, dimensional, and flattened)
* Extensive expertise in SQL Server databases
* Experience of Data Lakes and Data Catalogues
* Extensive experience in multidimensional data modelling, such as star schemas, snowflakes, normalised and de-normalised models, handling “slow-changing” dimensions/attributes
* Extensive experience providing practical direction on information and analytics platforms in conjunction with EDW tools and technologies
 | * Highest personal and professional integrity and strong work ethics
* Willingness to take charge and provide direction
* Results orientation, willingness to commit to a direction and drive to completion
* Highly analytical
* Emotional intelligence - self-awareness, confidence, ability to manage conflict,
* Positive, people-oriented, and can-do attitude
* Understands customer expectations and can manage these as events change what is realisable
 |
| **Knowledge** | **Qualifications** |
| * Experience designing and implementing RDBMS technologies (particularly SQL Server) and OLAP
* Experience with Cloud databases, especially Azure
* Familiarity with both established and emerging data technologies and the ability to evaluate and ascertain their applicability to the business
* Strong knowledge of ETL and data integration techniques
* Experience with data modelling and BI tools (in particular PowerBI)
* Previous experience of CAFM and/or Property Management system implementation
 | * Educated to Bachelors or Masters level in Computer Science, MIS, Information Management, Business Administration, or equivalent level of experience of working in a senior position in relevant functional area.
 |
| **Other information** (travel, hours, personal characteristics) |
|  |