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**Data Integration and Reporting Analyst**

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| **Job level** | **4** | **Reports to** | **Senior Systems Analyst** |
| **Directorate** | Business Services | **Function** | **ICT** |
| **Contract** | **Permanent** | **Location** | **Hybrid: remote, 1 day in London Zoo, occasionally Whipsnade Zoo** |

**Our vision and mission**

The Zoological Society of London (ZSL) is an international conservation charity, driven by science, working to restore wildlife in the UK and around the world. Our vision is a world where wildlife thrives and every role, every person in every corner of ZSL has one thing in common – we are all conservationists, and passionate about restoring wildlife.

**Purpose of the role**

The Data Integration and Reporting Analyst supports the ZSL 200 plan by ensuring high-quality data integration and reporting across the organization. The role is crucial for maintaining the integrity and accessibility of data, enabling informed decision-making that drives our conservation efforts. The analyst collaborates with multiple business units, including HR, marketing, and operations, to deliver tailored data solutions that align with ZSL’s strategic objectives.

**Key responsibilities**

**Data warehouse development:**

* Design and develop data warehouse schema and OLAP cubes to extend organisational reporting capabilities.
* Implement testing regime to ensure data consistency, accuracy and efficient to use.
* Have curiosity to stay informed about emerging technologies and provide recommendations to improve existing processes.

**Data Integration**:

* Seamlessly integrate data from various sources into the data warehouse.
* Utilize ETL tools, scripting languages (SQL, Python), and APIs for data integration.
* Data cleaning and preparation

**Data Quality Assurance:**

* Implement and manage processes to ensure data accuracy and integrity.
* Use SQL Server, SSIS, and other tools to monitor and resolve data quality issues.

**Maintenance and Optimization:**

* Maintain and optimize the data warehouse, including performance tuning and routine backups.
* Monitor and proactively improve existing data pipelines
* Implement best practices for database configuration and backup/recovery processes.

**Documentation and Standards:**

* Develop and maintain comprehensive documentation for all data warehouse processes.
* Standardize processes to ensure consistency and ease of onboarding for new team members.

**Collaboration with Stakeholders:**

* Work with business units to understand data needs and provide tailored reporting solutions.
* Facilitate effective communication and collaboration to meet organizational data requirements.

**Report Development:**

* Design, develop, and maintain reports and dashboards using Power BI and other tools.
* Ensure reports are accurate, relevant, and support data-driven decision-making.

The duties and responsibilities described are not a comprehensive list and additional tasks

may be assigned from time to time that are in line with the level of the role.

**Person Specification**

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| Experience |

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| Essential | * Proven experience in data analysis and integration * Schema Design (for OLAP and OLTP type systems) * Experience in developing dataflows with ETL tools, particularly SSIS * Experience in data quality management and assurance |
| Desirable | * Experience in working with cloud-based systems and databases * Experience in similar role in nonprofit organisation or visitor attraction * Demonstrable experience of preparing and leading the development of analytical capabilities in a commercial organisation |

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| Knowledge and skills |

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| Essential | * Advanced MS SQL * Knowledge of PowerBI data modelling * Understand and be able to implement data quality assurance concepts * Advanced data warehousing skills * Ability to work independently and as part of the team * Information security concepts including GDPR and Data protection |
| Desirable | * Familiarity with APIs and data integration tools. * Strong understanding of business processes and data needs. * Database Administration skills consistent with the establishment of Data Catalogue, Datawarehouse, Data Lake, Databricks and Analytic cubes. * Microsoft Azure technology stack. |

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| Additional requirements |

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| Essential | * This post is a blended role for office and home working; some travel to Zoo sites will be required. * Ability to work occasional flexible hours, including evenings and weekends, as required. * Commitment to promoting ZSL’s values and a strong interest in wildlife conservation. |