Enterprise Data Architect

Information, Systems and Change

Overview	
Responsible for	Responsible for the development and implementation of Enterprise Data architecture, defining and implementing Data strategy, establishing processes for governing the identification, collection and use of corporate Data. Provide hands on guidance on best practice, technologies and tools. Design and Implement Data Architecture for specific Digital and IT projects
Reports to	Director of Data & Analytics, dotted line to Head of Architecture
Line management	N/A
Tier	N/A
Expectation Level	Team Manager

Role relationships	
Internal	Architects, Technical Delivery teams, Project Managers, Technical and Business Analysts, Product/Process Owners, and Business Users (Operational and Delivery), Directors
External	3rd party solutions and service providers.

Role accountabilities

- Lead analysis, architecture, design, and development of enterprise analytics and business intelligence solutions.
- Translate business requirements and data & analytics strategy into technical requirements by creating and maintaining current- and target-state data architectures.
- An integral role in accelerating NHGs approach around analytics and data governance, along with other key stakeholders.
- Define and manage standards, guidelines and processes, including data condition, and protection.
- Ensure technology solutions are in alignment with data architecture principles and target state.
- Oversee end-to-end data life cycle management activities.
- Evaluate and recommend emerging technologies for data management, storage and analytics.
- Collaborate with other architects to ensure domain specialisms (security, cloud etc) in the design of enterprise architecture.
- Contributes to the creation and review of a systems capability strategy which meets the strategic requirements of the business. Develops models and plans to drive forward the strategy; taking advantage of opportunities to improve business performance.

Role accountabilities

- Takes responsibility for investigative work to determine requirements and specify effective business processes; through improvements in information systems; data management; practices; procedures; organisation and equipment.
- Assess the benefits and the risks of information by using tools such as business capability models to create an information-centric view to quickly visualize what information matters most to the organization based on the defined business strategy.
- Communicating between the technical and non-technical.
- Support developing and maturing of Architectural practice in NHG including mentoring of Data Architects.

The tasks and responsibilities outlined above are not exhaustive; the post holder may undertake other duties as is reasonably required.

To do the job well, we have outlined the knowledge, experience, and skills you need to do the job.

Personal Specification

Professional expertise (know how & experience)'

Essential	Desirable
- Exceptional knowledge & experience in Enterprise Data architecture (including Azure) and with Data design principles – leading design for large scale databases - Demonstrable successful previous experience in conceptual, logical and physical Data modelling, with knowledge of data modelling and metadata tools - Experienced in developing enterprise and solution level architectural designs linking cross functional applications and the data flows and integrations required between them - Experienced working with API protocols ad schemas such as SOAP and REST – and the application that they may have in an enterprise - Experience working in complex environments, across a number of stakeholders, to deliver and implement standards. - Experience working with system and data quality assurance best practices - In depth knowledge and experience working with various Database and analytical technologies including MS SQL Server & MS SQL clusters in enterprise environments	- Architectural Frameworks – Togaf, Zachman - Understanding of DAMA framework. - Some understanding of the Software Development Life Cycle (SDLC). - Data Engineering Practice - CI/CD - Agile Methodology – Scrum, Lean, Kanban

- Experienced working with Enterprise Data Technologies and designing and implementing enterprise data strategies
- Experience transforming data architecture from complex and on-prem architectures into a simplified, modern, cloud based architecture
- Deep understanding of continuous delivery practices, including fast feedback, team autonomy, and monitoring
- Experience with innovation and ideation methods, such as design thinking.
- Experience designing and implementation of AI on Azure.
- Practical and demonstrable experience of enterprise-based infrastructure (both IaaS and PaaS) with particular focus on Azure
- Capability to design high level and low level architectural designs representing data repositories and the logical data flow
- Experience of creating, managing and enforcing a data management strategy that gives individuals a clear 'single source of truth' for any type of data
- Commitment to ongoing development and learning of new technologies, and approaches.
- Evidence of delivering business value through technical work.
- Business acumen, and the ability to communicate to executives, business domain stakeholders and technical staff alike.

Skills

Essential	Desirable
- DAMA Framework - Data Architecture - Microsoft Azure, Power BI - ADLS2, Azure Synapse, Data Bricks, Azure ML, Logic Apps, Azure Functions, Service Bus, Event Hub. - Azure Data Factory, Azure Data Lake, Azure Data Bricks, Synapse Warehouse, Power BI - Azure Integration : Logic apps, Function App, Service Bus, Event Grid, Event Hub	- Azure for DevOps. - Data Mesh - Azure Cloud Adoption Framework - Kimball, Inmon Data Warehouse - Azure IoT - Azure Digital Twins - Graph Db - Azure Purview

- Database technologies: Azure SQL, MySql, Cosmos, MariaDb
- Excellent organisational and analytical skills.
- Excellent problem-solving skills.
- Resilience
- Good written and communication skills.

Qualifications and/or professional membership

Essential	Desirable
	BCS Practitioner Certificate in Enterprise and Solutions Architecture Togaf, Zachman DAMA Microsoft Certification – AZ900, AZ305, DP203, DP100

NHG Expectations

NHG expectations framework outlines what we expect from our staff at the five different expectation levels we have across the organisation.

This role is a Team Manager expectation level and therefore you should refer to the Team Manager expectation profile in addition to this role profile.

The full NHG expectations framework is available on our external job site page and intranet, Milo.

You'll be assessed on the knowledge, experience, skills, and expectations criteria at various stages throughout the selection process.