Data Architect

London

Perm, Full Time

Start Date: ASAP

Purpose
Deliver the vision for the organisation as set by the Lead Enterprise Architect. At this level, you will primarily be responsible for ensuring that the organisation has the right architecture of data throughout the enterprise to ensure data integrity, data quality and ease of access. As a Data Architect, you are expected to have sound understanding of the data & MI requirements of the business and to be able to proactively collaborate with Business and IT functions to translate those requirements into the architectural blueprint.

- Act as an advocate for data standards, engaging with stakeholders across the business, technology, and data teams

- Design data models and metadata systems and help the Lead Enterprise Architect to interpret business needs

- Provide oversight and advice to other data architects (internal/external) who are undertaking the design of data models and support the management of data dictionaries

- Work with Lead EA and Head of Data & MI to ensure that data design principles, data standards and best practices are being followed

- Work with technical architects to make sure that an organisation's systems are designed in accordance with the appropriate data architecture

Specific Responsibilities
- Develop and evolve the enterprise wide data strategy to support delivery of corporate objectives

- Be a key stakeholder and advisor in all new strategic data initiatives and ensure alignment to the enterprise wide data strategy

- Build a framework of principles to ensure data integrity across the business (including but not limited to ERP, CRM, BI, Data warehouse, external interfaces etc.)

- Ensure that the Data Architecture strategy and roadmap is aligned to the business and technology strategies.

- Build and maintain appropriate Enterprise Architecture artefacts including; Entity Relationship Models, Data dictionary, taxonomy to aid data traceability

- Provide technical oversight to solution delivery in creating business driven solutions adhering to the enterprise architecture and data governance standards

- Be an advocate of data security principles and ensure appropriate security practices are embedded in any data strategy

- Be an active contributor to how the corporation evolves Data Governance practices and influence the adoption of data standards

- Develop key performance measures for data integration and quality

- Support third party data suppliers in developing specifications that are congruent with the Enterprise data architecture

Specific Skills

- Data analysis and synthesis. You can undertake data profiling and source system analysis. You can present clear insights to colleagues to support the end use of the data. (Relevant skill level: working)

- Data communication. You understand the appropriate mediums to communicate findings; you can shape communications for the audience. (Relevant skill level: working)

- Data governance. You can work with data governance lead in supporting the data governance definition and implementation. You know how to assure and integrate data services to meet the needs of multiple business services. You work proactively to ensure the organisation designs architecture that considers data. (Relevant skill level: practitioner)

- Data innovation. You understand the impact of emerging trends on the organisation in data tools, analysis techniques and data usage. (Relevant skill level: working)

- Data modelling. You understand the concepts and principles of data modelling and can produce relevant data models across multiple subject areas. You know how to reverse-engineer data models from a live system. You understand industry recognised data modelling patterns and standards and know when to apply them. You can compare and align different data models. (Relevant skill level: practitioner)

- Data standards. You can review and develop the data standards across multiple subject areas. You can review the breaches of data standards and make recommendations about how the organisation should resolve that breach. (Relevant skill level: practitioner)

- Metadata management. You can design an appropriate metadata repository and present changes to existing metadata repositories. You understand a range of tools for storing and working with metadata. You can provide oversight and advice to more inexperienced members of the team. (Relevant skill level: practitioner)

- Problem resolution (data). You can ensure that the most appropriate actions are taken to resolve problems as they occur. You coordinate teams to resolve problems and implement solutions and preventative measures. (Relevant skill level: practitioner)

- Strategic thinking (data architecture). You work within a strategic context and communicate how activities meet strategic goals. (Relevant skill level: working)

- Turning business problems into data design. Dealing with problems that span different business areas. Draw links between problems in order to reach common solutions. Work across multiple subject areas, a single large or complicated subject area. (Relevant skill level: practitioner)

Knowledge and Experience

- Proven experience in architecting and implementing Business Intelligence and Data warehouse platforms, Master data Management, data integration and OLTP database solutions.

- Possess in-depth knowledge of and able to consult on various technologies.

- Strong knowledge of industry best practices around data architecture in both cloud based and on prem solutions.

- Strong analytical and numerical skills are essential, enabling easy interpretation and analysis of large volumes of data.

- A comprehensive understanding of the principles of and best practices behind data engineering, and the supporting technologies such as RDBMS, NoSQL, Cache & In-memory stores.

- Experience of architecting data solution across hybrid (cloud, on premise) data platforms.

- A comprehensive understanding of data warehousing and data transformation (extract, transform and load) processes and the supporting technologies by Microsoft and Amazon (e.g. Amazon Glue, EMR, Azure Data Factory, Data Lake, other analytics products).

- Experience implementing data solution and problem solving.

- Experience of data modelling skills (logical, physical, sematic and integration models) including normalisation, OLAP / OLTP principles and entity relationship analysis.

- Experience of mapping key Enterprise data entities to business capabilities and applications.

- Excellent communication and presentational skills, confident and methodical approach, and able to work within a team environment.

- Insurance industry knowledge is beneficial, but not strictly necessary.

Lancashire Values

- **L**eadership, exhibiting passion and commitment in all aspects of Lancashire life and inspiring others to do the same, we are

- **A**spirational, aspiring to deliver a superior service for our clients, ourselves and our business partners, we are

- **N**imble in our decisions, actions and business processes, and considerate of our environment and wider society, we are

- **C**ollaborative, valuing teamwork and a diversity of skills and experience and sharing in our success, and we are

- **S**traightforward in conducting our business in an accountable, open, honest and sustainable way.

How to Apply

Please e-mail your CV and a covering letter including your salary expectations, notice period and availability to interview to HR@lancashiregroup.com