

Enterprise Data Architect:

Responsibilities:

- The Enterprise Data Architect will develop a detailed knowledge of the underlying data and data products for our line of business and other systems that the IT Department manages or maintains.
- Become the SME on content, current and potential future uses of data, and the quality and interrelationship between core elements of the data repository and data products.
- Consult with IT, Operations and the business teams to design and implement scripts, programs, databases, software components and analyses that will support product quality and an in depth understanding of potential uses of the data.
- Define the data roadmap, including data modeling, implementation and data management for enterprise data warehouse and data analytics.
- Establish standards and guidelines for the design & development, tuning, deployment and maintenance of information, reporting and data analytics, mining models and physical data persistence technologies.
- Provide leadership in establishing analytic environments required for structured, semi-structured and unstructured data and explore future potential for analytics, Big Data and its applicability for the organization.
- Work with staff and customers to understand the business requirements and business processes, design data warehouse schema and define ETL and/or ELT processes for data warehouse.

Qualifications:

- Proven experience with Data Warehouse and BI systems; extensive experience in collecting business requirements from customers, and transforming those requirements into database data processes and data schema.
- Proven track record of driving rapid prototypes and designs for new projects. Ability to translate broader business initiatives into clear “team objectives” and concrete individual goals, aligning appropriately with other groups for efficient, coordinated action.
- Strong Knowledge of relational SQL databases and SQL – in at least one of the following environments: Oracle or Microsoft SQL Server.
- Expertise in ETL (including SSIS and SSRS).
- Knowledge of Reporting tools including d3.js,
- Data Analytics & Data Mining principles and solutions, including visualization & reporting services
- Big Data schema design and predictive analytics, particularly in the area of IoT / sensor data
- Real-time and historical analysis, decision support and machine learning
- Strong understanding of algorithms, Hadoop framework and data structures
- Strong analytical and Data Manipulation (e.g. XML, JSON), with data ETL expertise (e.g. Hadoop and Spark)
- Strong data integration knowledge; Data Modeling; highly experienced in data governance; and knowledge of presentation layer, data visualization and dash boarding.