



Data Architect

Job Summary: Provide leadership and technical expertise in the enhancement of the enterprise data warehouse. Candidate should have a working knowledge of business intelligence and underlying technologies. They should have the ability to embrace new technologies quickly and apply their knowledge and experience to projects using these technologies.

Primary Responsibilities:

- Work closely with internal project managers, business analysts, and developers to define, design, develop and maintain an end-to-end data warehouse architecture.
- Recommend an overall data architecture strategy for the DW/BI system, ensuring reusability, ease of use, ease of integration and sustainability.
- Continuously monitor and devise strategies to make best use of the data originating from disparate systems.
- Participate in project teams to ensure that BI intelligence is delivered concurrently with new applications.
- Communicate effectively to ensure that all business requirements are being assessed and addressed to ensure development projects meet or exceed performance targets
- Proactively engage with business users to ensure the BI environment addresses their business requirements
- Research, evaluate, and stay current on emerging BI tools, techniques, and technologies
- Enable user managed data mining models.
- Interface with clients, on both technical and non-technical issues, to design and develop solutions.
- Define designs and build dimensional databases.
- Evaluate reusability of current data for additional analysis.
- Conduct data quality initiatives to rid system(s) of old, unused, or duplicate data.
- Renew object and data models and the metadata reporting to structure for better management and quicker access.

Required Skills:

- Working knowledge of Microsoft SQL Server in order to manage a large-scale data warehouse.
- Working knowledge of SQL Server Reporting Services.
- Experience in using a wide range of interpretive analysis tools (e.g., trend analysis, spreadsheets, comparisons, graphs, summary versus detail charts, drill-down, correlations, maps, exception analysis).
- Ability to work in a data warehouse environment, which includes data design, data integration, database architecture, metadata and reporting creation.
- Experience in data architecture (Data Warehousing, ODS, Data Marts, Staging).
- Ability to understand and design multi-dimensional models using standard methodologies, such as top-down and bottom-up design strategies.
- Production of design documents and other documentation for internal use and for client consumption throughout the development lifecycle.



- Experience in programming intermediate to complex SQL and stored procedures.
- Experience producing multidimensional cubes, including the construction of Data Views, Fact and Dimension tables.
- ETL experience in a high-volume environment with a wide variety of disparate data sources.
- Ability to profile data stored in a database, as well as identify the data quality issues that will affect standard ETL transformations.
- Superior research and analytical skills.
- Excellent organizational skills.
- Strong Data Analysis and Architect skills.
- Ability to translate business needs into long-term information architecture solution(s).
- Experience highlighting issues/problems and conveying complex thoughts, written and oral, in a clear, concise, and timely manner.

Required Technical Skills:

- SQL Server 2008 (T-SQL, stored procedures, tables, indexing, normalization)
- SQL Server Integration Services (SSIS)
- DTS, SSRS Programming

Primary Location

United States-Maryland-Columbia



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