

JOB TITLE

DATA WAREHOUSE MODELER

DIVISION

ADMINISTRATION

REPORTS TO

MANAGER TECHNICAL SUPOPORT

SALARY SCHEDULE & GRADE

II, GRADE 9

LENGTH OF WORK YEAR

260 DAYS

DATE

JULY 13, 2009

SCOPE OF RESPONSIBILITIES

The Data Warehouse Modeler's role is to strategically design and implement data warehouses, data marts, and data stores, while ensuring high levels of data availability. This individual is also responsible for defining data standards and models for warehouse architectures. The Data Warehouse Modeler will, in addition, evaluate and select all infrastructure components such as software, hardware, database management systems, and networking capabilities.

PERFORMANCE RESPONSIBILITIES

1. Assess and cultivate long-term strategic goals for data warehousing in conjunction with data users, department managers, clients, and other key stake holders.
2. Create models for new data warehouse development and/or changes to existing data stores to support data-driven decision making.
3. Identify inefficiencies and gaps in current data warehouses and leverage solutions to insure that the warehouse operations are automated and reliable.
4. Identify data discrepancies and data quality issues, and work to insure data consistency and integrity among data sources and data warehouse.
5. Diagnose and resolve data warehouse access and performance issues and insure that the warehouse architecture supports both simple and sophisticated data analysis using standardized tools.
6. Evaluate, recommend, select, and implement data warehouse components, including database management systems, ETL (extract, transform, load) software, data mining tools, and meta data management tools.
7. Monitor system details within the data warehouse, including stored procedures, dimensions and cubes, and implement efficiency improvements as well as assist in troubleshooting and designing transactional database systems.
8. Conduct research on emerging products, services, protocols, and establish standards in support of the current business intelligence needs of the district, including, but not limited to, data mining, data roll-up, reporting data analysis, dashboards, Key Performance Indicators, and end user tools.
9. Assist developers and database administrator in designing relational databases and subsequent incorporation of the databases into the warehouse, as appropriate.
10. Perform other duties as assigned by the Manager Technical Support.

PHYSICAL DEMANDS

The work is primarily sedentary. It requires the ability to communicate effectively using speech, vision and hearing. The work requires the use of hands for simple grasping and fine manipulations. The work at times requires bending, squatting, crawling, climbing, reaching, with the ability to lift, carry, push or pull light weights.

MINIMUM QUALIFICATIONS

1. Bachelor's degree in related field and/or six (6) years of demonstrable experience in designing and maintaining large scale enterprise data warehouses
2. Broad hands-on knowledge of data warehouse and business intelligence strategies to meet enterprise data mining, analysis, and reporting needs
3. In-depth knowledge of relational and dimensional data modeling

DESIRABLE QUALIFICATIONS

1. Hands-on experience implementing dashboards, key performance indicators, data mining models, data marts and complex multi-dimensional expressions (MDX)
2. Hands-on experience troubleshooting transactional database performance issues and fine-tuning of associated hardware and software
3. Experience in implementing a balanced scorecard

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