Enterprise Data Architect

Position Details

Reference Code: A998
Division: Technology and Information Systems Services
Classification: Professional-Technical
Terms of Employment: At-Will, Equivalent to Step 47 of the Unified Administrative Salary Schedule, 12 Months
FLSA STATUS: EXEMPT

Position Summary

This position functions to serve as a unified employee responsible for developing, implementing, and maintaining the data management framework and data governance process and programs throughout the Clark County School District. The Enterprise Data Architect will ensure the consistent implementation of best practices for an enterprise data model to achieve quality of data and related services. This position is directly responsible to the Chief Technology Officer, Technology and Information Systems Services (TISS), Operational Services Unit.

Essential Duties and Responsibilities

The list of Essential Duties and Responsibilities is not exhaustive and may be supplemented.

1. Leads and defines the effort for an enterprise data model and data reference architecture to ensure effective strategies and plans for data acquisition, stewardship, storage, service delivery, archival, and recovery.
2. Establishes protocols and guidelines for master data management and data governance across the enterprise.
3. Oversees appropriate committees or work groups to include the preparation of agendas, facilitating meetings, tracking and following up on action items.

4. Demonstrates expertise in data governance, a variety of database systems, ETL (extract, transform, and load), application and integration concepts, practices, and procedures.
5. Through business and technical analysis, develops and implements strategies and processes to efficiently organize, optimize, cleanse, and structure data to meet internal and external needs.
6. Identifies and works with data stewards to promote and realize the data management framework and sustain data governance processes.
7. Works closely with stakeholders in order to design, own, and maintain the enterprise data model and data services portfolio across the District.
8. Represents TISS in cross-functional teams to ensure visibility and adherence to data management and data governance strategic objectives.
9. Owns and maintains the enterprise data model, data modeling, and data process documentation of all common data structures.
10. Recommends enhancements to systems of record, as well as data acquisition processes, to improve the accuracy of operational and enterprise data.
11. Demonstrates personal responsibility for the continual improvement of one's own technical and vocational skills.
12. Mentors senior technical professionals in database management, application development, business intelligence, and other allied skills to advance the District's data management framework as they execute their duties.
13. Collaborates with other enterprise level architects and entities to enable the highest quality enterprise governance for the District.
14. Leads and directs the work of others.
15. Performs other duties related to the position, as assigned.

Position Expectations

1. Knowledge of principles and practices of information management and data governance techniques.
2. Knowledge of principles and practices of data management, policy and governance, and associated statistical analysis techniques.
3. Knowledge of data structures (databases, files, spreadsheets), data analysis, data reporting, and intelligence tools.
4. Knowledge of project management planning principles, tools, and techniques.
5. Knowledge of organizational business process and their relation to computer systems, data, and information.
6. Knowledge of District operations, policies and procedures, preferred.

7. Skill utilizing principles and practices used in turning raw data into information and information into knowledge.
8. Skill in project management, processes, operations, and people management and proven ability to manage within a complex organization.
9. Skill in working collaboratively with staff at all levels and across departments.
10. Organizational skills and ability to complete complex and multiple projects and tasks in a timely and efficient manner.
11. Skill in setting strategic directions and tactical planning to implement these directions.
12. Skill in establishing, interpreting, and implementing policy decisions.
13. Skill in monitoring system, database, and reporting platform performance and developing strategic management plans for continued operations and organizational sustainability.
14. Ability to effectively communicate verbally and in writing to present findings and recommendations.
15. Ability to define and implement core data services.
16. Experience managing competing priorities in a fast paced, political environment.
17. Well-versed in dimensional modeling and data warehouse concepts such as star schemas, snowflakes, dimensions, and facts.
18. Authoritative understanding of solution architectures such as transaction processing, ETL, data warehousing and integration, master data management (MDM), business intelligence (BI), reporting and analytics, data mining (including unstructured data) and metadata analysis.
19. Demonstrated knowledge and utilization of international data standards and frameworks such as Control Objectives for Information and Related Technologies (COBIT), International Organization for Standardization (ISO), Information Technology Infrastructure Library (ITIL), Data Management Body of Knowledge (DAMA DMBOK).

Position Requirements

Education and Training

An earned bachelor's degree from an accredited college or university.

Licenses and Certifications

None Specified.

Experience
1. Eight (8) years of data governance experience with at least two (2) years management experience of a wide range of enterprise data architecture and modeling including various solution frameworks and technologies from vendors such as Systems Applications and Products in Data Processing (SAP), Oracle, Microsoft, and others.
2. Experience developing and maintaining data models and processes within and across a large organization or program area, and experience with statistical data analysis.

Preferred Qualifications
1. Master's degree from an accredited college or university in a related field.
2. Strong experience with SAP Business Intelligence platform.
3. Certification in data architecture (i.e., Certified Data Management Professional (CDMP), Certified Information Management Professional (CIMP), Cloud Based Design and Manufacturing (CBDM), etc.).
4. Demonstrated experience implementing and utilizing international data standards and frameworks as described above.
5. Deep hands-on experience with leading enterprise data architecture and governance activities as described above.

When applying for an administrative position, candidates must meet the minimum qualifications as listed on the appropriate position vacancy announcement.

AA/EOE Statement
The Clark County School District is proud to be an equal opportunity employer. The Clark County School District is committed to providing all applicants and employees equal employment opportunities without regard to race, color, religion, sex, gender identity or expression, sexual orientation, national origin, genetics, disability, age, or military status or other characteristics protected by applicable law. Here at Clark County School District we are a diverse group of people who honor the differences that drive innovative solutions to meet the needs of our students and employees. We believe that through a culture of inclusivity we have the power to reflect the community we serve.

Job Revision Information
- Revised: 03/21/22
- Created: 03/08/13