The University of Texas at San Antonio

Job Description

Job Title: Enterprise Data Architect

Code: 17510

Salary Grade: 65

FLSA Status: Exempt

Department/Division: Office of Information Technology, Infrastructure Services

Reports To: Assistant Directors, Application Development and Support

Summary

- Function: Under minimal supervision provides expertise in defining, developing and maintaining data and its structure, metadata structure such as data definition, models and data flow diagram, lead the university's database technical function. Responsible for developing complete data architecture and established data quality assurance. For the university data warehouse and master data structures.

- Scope:

Duties

- Typical:
  1. .Collaborates with the business units and other OIT teams to deliver robust, high quality and effective data model solution
  2. Develops conceptual, logical and physical data models to meet requirements and strategies
  3. Data modeling database design of relational and multi-dimensional data models with database schema focused on functionality and performance
  4. Oversee and assist with developing data models across UTSA to ensure adherence to sound data management principles and where possible, the reuse of data
  5. Map the structure and organization of the relevant data project within OIT
  6. Identifying data sources, construction data decomposition diagram, data flow diagram and documenting the process
  7. Identify and develop prototypes to address requirements (both functional and non functional)
  8. Design, develop and implement Extract, transformation and Load (ETL) standards, rules, processes, programs and a script using structured software development method

9. Design, develop, implement and maintain data access packages and/or procedures suing industry standard, rules, processes, programs and scripts using structured software development method
10. Design and develop and architecture for all data related project and/or request (e.g. integration strategy, source system data ETL strategy, data staging movement, data aggregation, and data quality strategy)
11. Capture and maintain meta-data and maintain the metadata repository
12. Create and maintain documentation of implemented ETL processes and data models

- Periodic:
  1. Provide On Call Support
  2. Perform other duties as assigned
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Education

Required	Preferred
Bachelor's degree from four year college or university within area of assigned responsibility. Technical training and/or experience may be substituted for a degree on a year for year basis.	N/A

Other Requirements

Required	Preferred
Proficiency with systems design, programming and scripting.	N/A

Experience

Required	Preferred
Five years' experience with SQL Server and/or Oracle; programming experience with PL/SQL and/or T-SQL in packages and/or procedures; development of stored procedures; SSIS and/or DTS integration services experience. Experience in Data Modeling and Architecture to include logical and physical modeling; experience with data modeling, data transformations, and/or data mapping. Experience acting as a technical lead in enterprise level database administration and/or	N/A

design.	
One year experience as a database technical team lead.	

Equipment

Required	Possible
Personal computer and standard office equipment.	N/A

Working Conditions

Usual	Special
Work performed in an office environment with occasional work in a data processing environment. The noise level in the work environment is usually moderate. While performing the duties of this job, the employee is regularly required to sit and talk or hear.	Occasional travel may be required The employee is occasionally required to stand or walk. The employee must occasionally lift and move up to 40 pounds.

Supervision

Received	Given
Limited supervision received from Assistant Director.	None.

Accuracy

Proficiency in all phases of the duties performed.

Security Sensitive

Specific job requirements or physical location of some positions allocated to this classification may render the position security sensitive, and thereby subject to the provisions of section 51.215 Texas Education Code.

Internal Control

Within the scope of position duties, responsible for seeing that operations are effective and efficient, assets are safeguarded, reliable financial data is maintained, and applicable laws, regulations, policies, and procedures are complied with.