

UNIVERSITY OF SOUTHERN CALIFORNIA

Data Architect (ITS)

Job Code: 167711

OT Eligible: No

Comp Approval: 12/2/2019

JOB SUMMARY:

Manages ITS data architecture, identifies business requirements and functional designs, and assists with prototyping, testing, and training. Develops conceptual, logical, and physical data models, and supports the development of data modeling standards, guidelines, and techniques. Demonstrates ITS values in action.

JOB ACCOUNTABILITIES:

***E/M/NA % TIME**

_____ _____ Develops and maintains documentation related to data architecture standards, protocols, frameworks, and techniques. Participates in regular touchpoints with department leaders, data teams, and vendors. Assists with identifying business value opportunities for customers, partners, and key stakeholders in administrative and academic units. Gains insight into customer challenges and data requirements, and seeks to deliver quality solutions, performing root cause analysis and developing problem-prevention strategies.

_____ _____ Identifies business requirements and creates relevant data architecture, overseeing design, prototyping, testing, and training. Develops conceptual, logical, and physical data models in accordance with approved techniques, approaches, and standards. Supports development of data strategies, building roadmaps and processes to meet current and anticipate future needs.

_____ _____ Supports the vision for enterprise data and analytics, leveraging the latest industry knowledge to continually develop team skills, knowledge, and abilities in data architecture and related fields (e.g., API data integration, data management). Researches and recommends data tools and services, supporting process improvement efforts within the team and across ITS.

_____ _____ Builds and maintains collaborative relationships with team members, peers, and ITS leaders. Actively embodies ITS values and behaviors (e.g., accountability, strong ethics). Contributes to a culture of trust and transparency by sharing information broadly, openly, and deliberately. Works closely with team members and management to implement and support effective solutions for data architecture.

Performs other related duties as assigned or requested. The university reserves the right to add or change duties at any time.

***Select E (ESSENTIAL), M (MARGINAL) or NA (NON-APPLICABLE) to denote importance of each job function to position.**

EMERGENCY RESPONSE/RECOVERY:

Essential: No

Yes In the event of an emergency, the employee holding this position is required to "report to duty" in accordance with the university's Emergency Operations Plan and/or the employee's department's emergency response and/or recovery plans. Familiarity with those plans and regular training to implement those plans is required. During or immediately following an emergency, the employee will be notified to assist in the emergency response efforts, and mobilize other staff members if needed.

JOB QUALIFICATIONS:

Minimum Education:

Bachelor's degree
Combined experience/education as substitute for minimum education

Minimum Experience:

2 years

Minimum Field of Expertise:

Experience in database development, delivering data architecture solutions and strategies. Firm understanding of data modeling, master data management, enterprise data warehousing, ETL, reporting, querying, requirements analysis, and data integration techniques. Understanding of database server architecture, administration, and security. Ability to understand and work with large, complex IT systems. Experience contributing to and managing development policies, from planning through execution. Perseverance, drive and keen attention to detail. Knowledge of network architecture. Excellent written and oral communication skills, presenting technical topics in a technically-oriented detailed fashion to technical audiences. Ability to develop positive working relationships and strong rapport with team members and stakeholders.

Preferred Education:

Bachelor's degree

Preferred Experience:

4 years

Preferred Field of Expertise:

Bachelor's degree in computer science, computer information systems, data science, information technology, or relevant field. Experience in IT and/or data science.

SIGNATURES:

Employee: _____ Date: _____

Supervisor: _____ Date: _____

The above statements are intended to describe the general nature and level of work being performed. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of personnel so classified.

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