



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

INFORMATION TECHNOLOGY ARCHITECT – ENTERPRISE SOFTWARE

Group-Section: Information Technology Group - Information Technology Section	FLSA Status: Exempt Bargaining Unit: MAPA	Salary Grade: 063 Job #: Y12
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JOB SUMMARY

Serve as a resident expert in Information Technology Application Architecture. Responsibilities include planning, directing, and overseeing activities related to selecting software technologies and services, application development tools, commercial software packages, and performance testing tools; developing application integration strategies for the enterprise; and developing information technology staff training plans to best meet business community expectations. This individual will be responsible for building standard communication modules to achieve one source of data per business domain and converting data into information.

OVERSIGHT

Supervision Received: Receives direction from the Team, Unit, Section, or Group Manager.

Supervision Given: May exercise technical and/or functional direction over assigned staff.

JOB DUTIES

1. Develops, establishes, and publishes Metropolitan Water District Application Architectural Model for the enterprise; and standards, policies, procedures, and guidelines to meet short and long term information technology strategic goals.
2. Identifies and assesses current business needs, current software technologies, and existing solutions. Identifies and addresses gaps in the application architectural model for the enterprise.
3. Performs return on investment assessment for aligning each business area application with the application architectural model for the enterprise.
4. Strategizes and prioritizes integration of each business domain into the Application Architectural Model for the enterprise.
5. Participates in the technical design decision phase by advising staff, recommending solutions, and resolving complex technological problems.
6. Interacts extensively with information technology and customers to understand Metropolitan's business strategies; and recommends, advises, and presents technological alternatives.
7. Oversees, coordinates, and interacts extensively with project managers, team managers, and the Information Technology Infrastructure Unit to ensure optimal application integration.

8. Oversees, reviews, recommends, and authorizes software technologies' requests proposed by request for proposal respondents or in-house software development teams.
9. Partners, supports, recommends, analyzes, and advises the Project Management Unit on the technological aspect of projects.
10. Oversees and coordinates smooth project transitions from vendor implantation to in-house support; evaluates, coordinates, plans, and assesses staff training needs on programming; and ensures that the skill levels meets current and future needs.
11. Performs other related duties as required.

EMPLOYMENT STANDARDS

MINIMUM QUALIFICATIONS

Education and Experience: Bachelor's degree from an accredited college or university in computer science, information technology, or a related field and ten years of increasingly responsible relevant experience, of which two years must have been at the Principal Information Technology Analyst level; or an advanced degree from an accredited college or university in computer science, information technology, or a related field and eight years of increasingly responsible relevant experience, of which two years must have been at the Principal Information Technology Analyst level.

Knowledge, Skills and Abilities: Related to application architecture such as Object Oriented Architecture Methodology, Unified Modeling Language, and Model Driven Architecture; Microsoft Net framework; Java 2 Enterprise Edition specifications; Service Oriented Architecture concepts; web services, design pattern, software application performance, and scalability; and database design and data warehouse implementation.

CERTIFICATES, LICENSES, AND REGISTRATIONS REQUIREMENTS

Certificates

- None

Licenses

- Valid California Class C Driver License

Registrations

- None

DESIRABLE QUALIFICATIONS

None

PHYSICAL DEMANDS/WORK ENVIRONMENT

The physical demands and work environment characteristics described here are representative of those that must be met or may be encountered by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

Job Title: Information Technology Architect - Enterprise Software

Job Code: Y12

Adopted: 4/21/08

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Physical Demands: Light

Work Environment: Primarily an indoor work environment typical of an office setting. The work environment may include some exposure to outside elements. May travel to various sites requiring overnight stay.