



THE METROPOLITAN WATER DISTRICT
OF SOUTHERN CALIFORNIA

INFORMATION TECHNOLOGY ARCHITECT

Group-Section: Information Technology Group – Information Technology Section	FLSA Status: Exempt Bargaining Unit: MAPA	Salary Grade: 064 Job #: Y14
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JOB SUMMARY

Serve as a resident expert in Information Technology Technical Architecture. Responsibilities include planning, directing, and overseeing activities related to selecting software and hardware technologies and services, application development tools, and commercial software packages; and developing application integration strategies for the enterprise. This individual will be responsible for leading the efforts to develop the application, data, and technology architectures for Metropolitan. This individual will also be responsible for establishing 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 Application Architectural Models for the enterprise, standards, policies, procedures, and guidelines to meet short and long term information technology strategic goals.
2. Develops, establishes, and publishes Data Architecture Models for the enterprise and working with key stakeholders and subject matter experts.
3. Interacts extensively with Information Technology and customers to understand Metropolitan's business strategies; and recommends, advises, and presents technological alternatives.
4. Identifies and assesses current business needs, current software technologies, and existing solutions. Identifies and makes recommendations to address any gaps.
5. Participates in technical design decisions by advising staff recommending solutions and resolving complex technological problems.
6. Partners, supports, recommends, analyzes, and advises project teams on the technological aspects of projects.
7. Strategizes and prioritizes integration of each business domain into the application architectural model for the enterprise.

8. Coordinates and interacts extensively with appropriate stakeholders to ensure optimal application integration.
9. Advises management regarding technology training needs.
10. 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.

Required Knowledge of: Technical architecture, such as hardware, software application, and systems engineering; information engineering, unified modeling language, and model-driven architecture; logical data modeling, physical data modeling, database design, data warehousing, data security, and data management strategies; software development environments at Metropolitan and object oriented architecture; web services and service oriented architecture concepts; and technology infrastructure environments including network design and engineering, open system interconnection reference model, storage technology, desktop and server technologies, mobile technology, operating systems, cloud computing, and virtualization.

Required Skills and Abilities to: Facilitate and negotiate; explain complex technical issues in a way that non-technical people may understand; provide customer service; system thinking; see how parts interact and fit with the whole; use business function modeling; use independent judgment and exercise discretion; problem solve; prioritize and multi-task; communicate clearly and concisely both verbally and in writing; establish and maintain effective working relationships with those contacted in the course of work; work independently and in a team environment; lead and train; and operate office equipment including computers and supporting applications.

CERTIFICATES, LICENSES, AND REGISTRATIONS REQUIREMENTS

Certificates

- None

Licenses

- Valid California Class C Driver License

Registrations

- None

DESIRABLE QUALIFICATIONS

None

Job Title: Information Technology Architect

Job Code: Y14

Adopted: 03/17/10

Revised: 06/18/17

Supersedes: 04/01/12

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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.

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.