



THE METROPOLITAN WATER DISTRICT  
OF SOUTHERN CALIFORNIA

## INFORMATION TECHNOLOGY SOFTWARE DEVELOPER III

<b>Group-Section:</b> Business Technology Group	<b>FLSA Status:</b> Non-Exempt <b>Bargaining Unit:</b> AFSCME	<b>Salary Grade:</b> 47 <b>Job #:</b> YA60
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### JOB SUMMARY

This is the journey level position performing Information Technology Software Developer III job duties.

### DISTINGUISHING CHARACTERISTICS

Positions at this level are fully competent and use judgment in interpreting and adapting guidelines such as policies, regulations, precedents, and work directions for application to specific cases or problems. The decision regarding what needs to be done depends upon the analysis of the subject, phase, or issues involved in each assignment, and the chosen course of action may have to be selected from many alternatives. The work involves treating a variety of conventional problems, questions, or situations in conformance with established criteria.

### OVERSIGHT

**Supervision Received:** The supervisor makes assignments by defining objectives, priorities, and deadlines; and assists employee with unusual situations that do not have clear precedents. The employee plans and carries out the successive steps and handles problems and deviations in the work assignment in accordance with instructions, policies, previous training, or accepted practices in the occupation. Completed work is usually evaluated for technical soundness, appropriateness, and conformity to policy and requirements. The methods used in arriving at the end results are not usually reviewed in detail.

**Supervision Given:** May act as a lead. May coordinate and review work assignments of employees performing the same general work as the lead on a day-to-day basis. Responsibilities may involve solving problems and providing instructions on work procedures.

### JOB DUTIES

1. Defines, designs, develops, and deploys new or modified custom software that generates reports accessing over 20 tables, views, packages, stored procedures, or functions.
2. Defines, designs, develops, and deploys new or modified custom software utilizing database schema with over 20 tables including audit tables and database objects.
3. Defines, designs, develops and deploys new or modified web pages and web artifacts for internal and external enterprise web presence.
4. Defines, designs, develops and deploys new or modified data marts for specific business domains, Extraction Transformation Load scripts, and Business Intelligence dashboards.
5. May participate on a project team.
6. Performs other related Information Technology Software Developer job duties as required.

**Required Knowledge of:** Reporting tools concepts and tool specific functions; relational database; Relational Data Base - Data Definition Language create tables, indexes, views; Unified Modeling Language Concepts; Object Oriented Concepts; reporting tools functions; relational data base objects; triggers, stored procedures and packages; coding data base query statements; instantiate Object Oriented classes extending HTTP protocol; reports, sub-reports and advanced reporting functions and stored procedure calls; design, code, test and deploy relational database sub queries, out joins, unions, cursors and exception handling; code and Implement middle tier classes and interfaces; multi-threaded and collection of objects processing; Website tools and web page design technologies; Data warehouse star schema, dimensions, fact table; Data warehouse data management tools; extraction transformation load processors; business intelligence dash boarding; and current office technology and equipment.

**Required Skills and Abilities to:** Reports development and debugging tools; invoke Database Management System objects (views, packages, stored procedures or functions); relational database objects (packages, stored procedures, functions and cursors); placing the application business logic and data validation in appropriate software layer (Graphic User Interface, middle tier or data base); Develop websites; stay current with new technologies and approaches; produce reports, understand reporting tools and access vendor site; work with relational database triggers, stored procedures, cursors and referential integrity objects; access relational database vendor web tutorials and training documentation; instantiate existing Object Oriented classes; invoke business logic objects from Graphic User Interface objects; provide strategic and tactical planning for enterprise information systems. develop prototypes; 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; and operate current office equipment including computers and supporting applications.

## **EMPLOYMENT STANDARDS**

### **MINIMUM QUALIFICATIONS**

**Education and Experience:** Bachelor's degree from an accredited college or university in a related field and four years of relevant experience; or Master's degree from an accredited college or university in a related field and two years of relevant experience.

### **CERTIFICATIONS, LICENSES, AND REGISTRATION REQUIREMENTS**

Employees in this position may be required to obtain and maintain the following certifications, licensing and registrations:

#### **Certificates**

- None

#### **Licenses**

- Valid California Class C Driver License that allows you to drive in the course of your employment

#### **Registrations**

- None

Job Title: Information Technology Software Developer III

Job Code: YA60

Adopted: 03/11/13

Revised:

Supercedes:

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**PHYSICAL DEMANDS, WORK ENVIRONMENT, AND VISION REQUIREMENTS**

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 job duties of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the job duties.

**Physical Demands:** The work is sedentary. Typically, the employee may sit comfortably to do the work. However, there may be some walking; standing; bending; carrying of light items such as paper, books, or small parts; driving an automobile, etc. No special physical demands are required to perform the work.

**Work Environment:** The work environment involves everyday risks or discomforts that require normal safety precautions typical of such places as offices, meeting and training rooms, libraries, and residences or commercial vehicles, e.g., use of safe work practices with office equipment, avoidance of trips and falls, observance of fire regulations and traffic signals, etc. The work area is adequately lighted, heated, and ventilated.

**Vision Requirements:** No special vision requirements.