



Classification: Information Tech Specialist II
Position Number: 880-280-1414-004

DUTY STATEMENT

☐ CURRENT ☒ PROPOSED

RPA Number: 26-280-026	Classification Title: Information Technology Specialist II	Position Number: 880-280-1414-004
Incumbent Name: Vacant	Working Title: Application Developer	Effective Date: TBD
Tenure: Permanent	Time Base: Full Time	CBID: R01
Division/Office: Division of Information Technology / Business Operations Support Branch		Section/Unit: Application Development Unit
Supervisor's Name: TBD		Supervisor's Classification: Information Technology Manager I

Human Resources Use Only:	
HR Analyst Approval: <i>Rebecca Ramirez</i>	Date:

General Statement
Under the direction of the Information Technology Manager I (ITM I) of the Application Development Unit in the Division of Information Technology (DIT) and consistent with good customer service practice and the goals of the State and Regional Board's Strategic Plan, the incumbent works independently on complex enterprise applications. The incumbent will provide services from IT domains, including Software Engineering, System Engineering, Information Security Engineering, Information Technology Project Management, and Business Technology Management.

Position Description

The application developer will provide software and programming support to integrate existing water rights, water diversions, and water quality data into a statewide water data platform. Provide application support for the agency's enterprise web systems. The incumbent works independently and serves in a lead capacity in planning and coordinating activities that require developing technology solutions to complex business, scientific, or engineering problems. Provide application support for the agency's enterprise web systems. The technologies used in the agency's complex custom web application systems include JAVA EE, ASP.Net, C#, MVC framework, AJAX, JavaScript, jQuery, Java Server Pages, Java Server Faces, Hibernate, Angular, Node.js, REST architecture, Power Platform, JBoss Enterprise Application Platform (JBoss EAP), ArcGIS, JavaScript API, Enterprise Java Beans, IIS, Tomcat, Web Services, MSSQL, Oracle, Snowflake, Azure cloud services, Software as a Service (SaaS), Red Hat Linux (RHL), and Windows Server. This position will primarily work with .NET and Windows applications.

Essential Functions (Including percentage of time):

40%	Work as an application developer to define an application infrastructure framework that has the potential of delivering workable solutions for the foreseeable future. Provide application programming for complex enterprise-level application systems. Perform analysis, development, testing, and implementation tasks necessary to ensure the effective and efficient functionality of complex, mission-critical custom software applications. Work independently but cooperatively with business process staff, DIT staff, vendors, and technical consultants on maintenance and operation of the agency's complex custom application systems and other programming assignments. Create design levels that span multiple business problems and continue to deliver appropriate behaviors as technology and business requirements evolve.
25%	Provide technical support, including configuration, maintenance, and troubleshooting of the web and database application software associated with the custom enterprise-level application systems. Provide logical and physical database design, query data from a database, performance tuning, data conversion, migration, and integration into the department's overall data management structure. Provide software solution code and configuration for web, database, and network systems to ensure the highest standards of application security compliance. Participates in upgrading and applying security patches to system software running in test and production environments.
20%	Serve as the lead application developer to establish coding and design standards at an enterprise level. Perform structured systems analysis and prepare system specifications and detailed design specifications, including prototype record and screen formats, entity relationship diagrams (ERD), database schemas, access requirements, system flowcharts, data flow diagrams, and interface design documentation. Develop test plans and test scripts, perform unit testing, prepare test data, and establish the conditions required for detailed program and system testing.



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Marginal Functions (Including percentage of time):

5%	Attend regularly scheduled DIT staff meetings, training sessions, and conferences. Review technical journals, periodicals, and appropriate websites to acquire and maintain knowledge of emerging technologies, procedures, and industry best practices. Evaluate and recommend vendor software packages and hardware/software purchases.
5%	Perform other duties as required.

Typical Physical Conditions/Demands:

The job requires extensive computer use and the ability to sit/stand at a desk, utilize a phone and a keyboard for extended periods. Ability to move up to 20 pounds and to remain stationary for long periods of time while also able to travel extended distances.

Typical Working Conditions:

The incumbent works in a high-rise office building in downtown Sacramento, in an enclosed, non-windowed office cubicle in a smoke-free environment. The work schedule is Monday through Friday. Mandatory overtime, including evening and weekend work, may be necessary when the department is performing mission-critical tasks.

Supervisor Statement

I certify this duty statement represents an accurate description of the essential functions of this position. I have discussed the duties of this position with the employee and provided the employee a copy of this duty statement.

Supervisor Name	Supervisor Signature	Date
Employee Name	Employee Signature	Date