



Classification: IT Specialist II
 Position Number: 880-280-1414-016

DUTY STATEMENT

CURRENT PROPOSED

RPA Number: 24-280-021	Classification Title: IT Specialist II	Position Number: 880-280-1414-016
Incumbent Name: Vacant	Working Title: Lead Application Architect	Effective Date: November 2024
Tenure: Permanent	Time Base: Full-time	CBID: R01
Division/Office: Division Information Technology		Section/Unit: IT Business Operations Support Branch
Supervisor's Name: Russell Hernandez		Supervisor's Classification: Information Technology Manager II

Human Resources Use Only:	
HR Analyst Approval: Brittany Liverett	Date: 11/25/2024

<p>General Statement</p> <p>Under the general direction of the Information Technology Manager II of the Business Operations Support Branch in the Division of Information Technology (DIT) and consistent with good customer service practices and the goals of the State and Regional Boards' Strategic Plan, the incumbent is expected to be courteous and provide timely responses to internal/external customers, follow through on commitments, and to solicit and consider internal/external customer input when completing work assignments. The incumbent will provide services from IT domains including Software Engineering, System Engineering, Information Security Engineering, Information Technology Project Management, and Business Technology Management.</p>
<p>Position Description</p> <p>The incumbent will act as a lead Application Architect responsible for architecting, supporting, and migrating the agency's enterprise ASP.Net, C#, IIS, MSSQL, Java EE, JBoss, and Oracle based systems to a new cloud-based architecture and provide web application development support services for the most complex web enterprise application systems. The incumbent will support migration analysis, implementation, maintenance, and operations of existing and converted application and database technologies. The incumbent is responsible for analysis, design, implementation, testing, deployment, maintenance, documentation, and operations of the agency's most complex custom web application systems utilizing commercial off-the-shelf (COTS), and software as a service (SaaS), infrastructure as a service (IaaS), Azure cloud-based development technologies, Azure Functions, C#,</p>



.Net 8, ASP.Net, Model View and Controller (MVC), Angular, NuGet, Node.js, REST architecture, Amazon Web Services (AWS), AJAX, JAVA EE, JavaScript, Enterprise Java Beans, Java Server Pages, Java Server Faces, Hibernate, Oracle, MSSQL, JBoss Enterprise Application Platform (JBoss EAP), IIS, JSON, jQuery, XML, SSRS, SSIS, ArcGIS JavaScript API, Web Services, GIT Hub, Access, Red Hat Linux (RHL), and Windows Server.

Essential Functions (Including percentage of time):

35%	Provide subject matter expertise on web application system support and administration of application and middleware environments. Assess technical change requests and document technical scope of work, specifications, estimated level of effort and resource requirements. Provide system enhancements and operational support of web application code including application programming for the most complex web application systems and middleware web server environment administration. Perform analysis, development, testing, and implementation tasks necessary to ensure the effective and efficient functionality of complex, mission critical custom software applications. Perform software troubleshooting, system tuning, evaluations, upgrades, installations, patching, and monitoring of system issues. Document, escalate, and coordinate service interruption issues with external technical support vendors and apply recommended solutions.
30%	Migrate web enterprise ASP.Net, C#, IIS, MSSQL, Java EE, JBoss, and Oracle based application systems to a cloud-based architecture. Provide lead technical application architect support services with cloud-based system environments. Research, evaluate, and document the strategy and work plan for migrating existing web application technologies to a cloud-based architecture. Design, code, test, implement, and monitor cloud-based web application system solutions. Assess and plan for future cloud-based application needs. Review the work of others (including peers, team members and/or subordinates) to ensure quality. Recommend and establish guidelines for infrastructure and software licensing procurement. Ensure software compliance. Prepare and make presentations to diverse customer and stakeholder audiences.
20%	Provide technical support including configuration, maintenance, and troubleshooting of the web and database application software associated with the custom web application systems. Provide logical and physical database design, data table generation, performance tuning, data conversion, migration, and integration into the department's overall data management structure. Provide software solution code and configuration of web, database, and network systems to ensure the highest standard for application security compliance. Participate in performing upgrades and security patches on system software run in test and production environments.

Marginal Functions (Including percentage of time):



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5%	Establish and enforce code and design standards for all enterprise Water Board large and complex web application systems. This includes establishing written standards for systems design, testing, security, design walk-through, production procedures, and systems documentation.
5%	Provide technical training, mentoring and knowledge transfer to DIT staff on all aspects of systems analysis, troubleshooting, coding, testing, implementation, maintenance, and operations. Evaluate team members to determine skill level and training requirements.
5%	Perform other duties as required.

Typical Physical Conditions/Demands:

The position requires extensive use of a personal computer and the ability to sit/stand at a desk for extended periods of time. Ability to lift and carry up to 20 pounds. Ability to sit for long periods of time while traveling extended distances.

Typical Working Conditions:

The incumbent works in an office building in a smoke-free environment. The work schedule is Monday through Friday as required to support core business hours. Will be required to work unusual hours including evenings, weekends, and holidays in response to IT outages or when the department is mission tasked. Overnight travel may be required within the state as necessary to support job functions.

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