

DUTY STATEMENT
DEPARTMENT OF JUSTICE
CALIFORNIA JUSTICE INFORMATION SERVICES DIVISION
APPLICATION DEVELOPMENT BUREAU (ADB)
DIVISION OF LAW ENFORCEMENT (DLE), BIOMETRICS, & PRESCRIPTION
DRUGS MONITORING PROGRAM SYSTEMS BRANCH
SOLUTIONS DEVELOPMENT SERVICES SECTION
DLE APPLICATIONS UNIT (DAU)

JOB TITLE: Information Technology Specialist I (ITS I)

WORKING TITLE: JAVA Developer

POSITION NUMBER: 420-860-1402-067

INCUMBENT: Vacant

PRIMARY DOMAIN(S): Software Engineering: The architecture, development, operation, implementation, and maintenance of software systems.

Client Services: The full lifecycle of end-user device solutions, including evaluation, configuration, provisioning, training, security, tracking, and support for an end-user computing environment.

SECONDARY DOMAIN(S): Business Technology Management: The management of information technology resources according to an organization's priorities and needs.

STATEMENT OF DUTIES: Under direction of Information Technology Supervisor II (IT SUP II), ITS I acts as an application architecture and senior developer to develop complex solutions with wide range of tools and technologies. The incumbent works both independently and cooperatively with other Information Technology (IT) staff performing high level technical work around analysis, design, planning and implementation using a holistic approach for the successful development and execution of strategy.

The incumbent will provide knowledge of the Departments data processing environments and standards while performing the duties of application architect including developing conceptual designs, data models and resource estimates; defining project work activities, timelines and system constraints; and design and development of the most complex systems and interface configurations.

The incumbent will develop sophisticated system capabilities, design and implement cloud based solutions, develop required interfaces between internal and external systems. Duties will include client and vendor interaction to obtain information used to customize and develop the most complex software to achieve the desired results as well as the expertise in the development tools and languages required to develop and maintain complex applications, resolve complex technical problems with application and/or infrastructure including but not limited to system performance issues, and the ability to write complex scripts and procedures, analyze data and situations, reason logically, identify problems, draw valid conclusions, and develop effective solutions.

SUPERVISION RECEIVED: Under the direction of the IT SUP II.

SUPERVISION EXERCISED: None.

TYPICAL PHYSICAL DEMANDS: Ability to sit at a computer terminal for extended periods of time. May be required to move up to 20 pounds. Provide after-hours, on call assistance, work after hours, and travel when needed.

TYPICAL WORKING CONDITIONS: In a remote work environment, home office, or similar environment in California. At the office, with a smoke-free environment. May be required to sit at a computer terminal while performing research and other duties up to eight hours a day. Travel to designated offices may be required.

ESSENTIAL FUNCTIONS:

50% Analytical/Technical

Provides the technical support at the highest specialist level, for system design, system infrastructure design, application architecture, application development, web services, and system interfaces, including code creation, modification, implementation, and enhancement using Java, Jakarta EE, Spring, Spring MVC, Spring Boot, Angular, JQuery, AJAX, JSON, HTML, PL/SQL programming languages, and extensible mark-up languages (XML) to supported applications.

Refines application functional design, using design patterns and refactoring concepts to improve and maintain application error solution.

Develops and creates application frameworks through programming. Solid knowledge on reviewing business and functional requirements and develop solid Technical Design Specifications.

Utilizes a knowledge of the data modelling concepts to write complex database queries and fine tune performance of SQL statements.

Reviews and evaluates, the DevOps automated deployment process including continuous integration, continues delivery, and continuous deployment to streamline application development process and continue improvement of quality of the deliverables.

Performs analysis of business structure and processes within DAU applications. Provides detailed blue prints on new systems development or changes to existing systems development.

Monitors system performance using various tools including but not limited to APM tools and take actions to resolve performance issues. Analyze and resolve the most complex critical application failures and software problems escalated from journey and advanced-level peers.

25% Consultative Services

Develops detailed design specifications. Develop requirement foundational framework or leverage existing frameworks. Help journey-level peers and consultants to ensure proper system and interface compatibility, Department standards are followed, level and thoroughness of documentation.

Evaluates and recommends the use of enterprise technologies, vendor products and proposed modifications to applications that support the Department's strategic goals, objectives and roadmaps.

Provides specialist level consultation, leadership and technical assistance to journey and advanced-level technical peers, as well as to other Departmental technical staff and clients. Evaluate and recommend solutions to isolate and resolve the most complex hardware/software problems.

Keeps abreast of changes and trends in the information technology industry, and effectively apply knowledge of current industry trends to evaluate alternative proposals and recommend optimal solutions.

10% Communication

Works effectively and cooperatively with project team members, management, vendors, and clients.

Conducts product analysis, design and review meetings; oversee and perform technical walk-throughs and presentations.

Provides management with verbal and written reports of activities and assigned tasks. Advises management on operational and application-related problems, and make recommendations for resolution of those problems.

5% Project Planning

Develops work plans, definition of milestones, project schedules, budget projections, resource allocations, complex studies, and reports and surveys impacting decisions and organizational direction.

Provides analysis and feedback in special projects, complex studies, reports and surveys impacting decisions and organizational direction.

Duty Statement
ITS I – ADB

Performs risk management activities to identify possible threats, assess probability and impacts to the system or project, implement strategies and contingency measures to avoid or mitigate risks, and monitor risks during project lifecycles.

Assists with planning and coordinating the implementation of complex system upgrades, software migrations and refactoring, and interface enhancements with internal entities, and local and national law enforcement agencies utilizing agile application development (Scrum).

5% Leadership

Provides training, mentoring, direction, and guidance relating to software analysis and development, technical support and maintenance requirements.

Assists with identifying, analyzing, and prioritizing design, development and implementation tasks and maintenance activities.

MARGINAL FUNCTIONS:

5% Perform other duties as required.

I have read and understand the essential functions and typical physical demands required of this job (please check one of the boxes below regarding a Reasonable Accommodation):

I am able to complete the essential functions and typical physical demands of the job without a need for a reasonable accommodation.

I am able to complete the essential functions and typical physical demands of the job, but will require a reasonable accommodation. I will discuss my reasonable accommodation request with my supervisor.

I am unable to perform one or more of the essential functions and typical physical demands of the job, even with a reasonable accommodation.

I am not sure that I will be able to perform one or more of the essential functions and typical physical demands of the job, and will discuss the functional limitations I have with my supervisor.

Employee's Signature

Date

Supervisor's Signature

Date

