



Job Description

Classification: Information Technology Specialist II

Working Title: Gaming Solution Architect

Position Number: 358-520-1414-005

Division/Unit: Information Technology Services Division/ Enterprise Architecture Office

Assigned Headquarters: Sacramento Headquarters

Position Eligible for Telework (Yes/No): Yes

Job Description Summary

Under general direction of the Information Technology Services Division (ITSD), Enterprise Architecture Information Technology (IT) Manager I, the Gaming Solution Architect demonstrates a depth of leadership and expertise on a wide array of enterprise gaming-related functions and is responsible for ensuring California State Lottery (Lottery) business and Information Technology (IT) systems align with the organizations strategic goals and objectives. General responsibilities focus on structuring the governance, technologies, business processes, and data to oversee and guide architecture decisions relating to the Lottery's enterprise gaming systems products and services, partners and vendors, enterprise capabilities, and key business and IT initiatives. The duties for this position are focused in the Business Technology Management, IT Project Management, Software, and System Engineering domains; however, work may be assigned in other domains as needed.

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35% (Essential) Provides oversight of the architecture assurance process to ensure business processes and IT systems align with future state architectures and are scalable, reliable, and available. The incumbent leads the administration of technology management lifecycle and application portfolio for systems including mapping applications to business functions and processes, defining costs and value provided, and functional/technical quality. Engages Lottery's leadership, as well as vendor partners, to develop a deep understanding of the issues, challenges, and opportunities within the Lottery IT and Gaming IT ecosystems. Responsible for ensuring business and IT systems meet the needs of all Lottery stakeholders including internal stakeholders as well as Lottery retailers and players. Analyzes industry market trends and technology, and innovations to determine potential impacts and/or opportunities on Lottery gaming systems. Monitors system operations to verify the integrity of processes and identify anomalies. Oversees the performance, modernization, transformation, and design of gaming systems and the related technology infrastructure. Manages the approach for developing and maintaining blueprints and transformation plans. Works collaboratively to develop and maintain models and architecture views of the technical environment in which systems operate to convey an understanding of the currency of system components, system risks, and the total cost of ownership. Develops business transformation plans jointly with senior business and IT management to better enable decision making. Triage IT Intake Requests and IT Exception Requests for Hardware and Software for approval to move forward.

25% (Essential) Applies structured approaches for documenting the Lottery's enterprise gaming systems. Designs capability models relevant to Lottery operations. Develops architecture views that depict how the business and technology gaming systems interact to realize essential enterprise capabilities. Develops value streams and business process models to link capabilities to system functionality and data. Describes the



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interaction of internal and external entities with enterprise gaming system. Maps information flows across the enterprise and documenting the structure and format of data stores and information exchange packets. Provides domain-architecture expertise and analysis to assist with developing functional and non-functional requirements, data requirements, metrics, and success criteria. Identifies opportunities for optimizing business processes and consolidating operations. Works with other ITSD groups on data standards, software development guidelines, and technology standards. Sets policy, direction, and framework for EA Governance, technology standards, policies, and accessibility compliance. Aligns mandates with strategies through policy review, process development, and standards ensuring accessible products and services. Provides education and training to Procurement staff on evaluation techniques and mitigation strategies.

20% (Essential) Assists in the management of application and technology portfolios for the Lottery's enterprise gaming systems. Develops and delivers technical presentations to groups and governance bodies to update on strategic direction. Supports IT portfolio modernization by presenting technology rationalization options and outcomes for cost, quality, and speed. Conduct EA solution assessments. Mentors and acts as a lead within the unit, exemplifying professionalism, planning, facilitation, collaboration, leadership, responsibility, and communication. Works with executives, senior management, and governance bodies to evaluate strategies and options for improvement. Communicates the status and health of the portfolios with IT executives and governance bodies. Defines and manages requirements, standards, process models, and other gaming architectural information necessary to support procurement and implementation. Works with business and IT executives to develop procurement documents and to support the procurement process as it relates to gaming systems.

15% (Essential) Provides architectural assistance to business, gaming and technical areas and Lottery vendors. Supports ITSD centralized demand management intake process by performing reviews of business/project proposals, project scopes/plans, requirement documents, procurements, solution proposals or designs, deployment plans, and change requests. Develops architecture definition documents, architecture runways, and alternatives analyses. Works with domain and solution architects to define enterprise solutions that are aligned to Lottery future state architecture and industry best practice. Supports Enterprise Architecture governance processes. Participates in ad-hoc workgroups and essential projects. Evaluates proposed solutions to ensure they are consistent with architecture policies and principles and the strategic direction. Manages the development, documentation and communication of architecture policies, principles, standards, and guidelines that guide technology decisions and architecture compliance.

5% (Marginal) Performs other job-related duties as assigned such as but not limited to: developing/maintaining various documentation, acting as a project lead, and performing analysis and consulting services.

Scope and Impact

- a. **Consequence of Error:** ITSD is responsible for delivering high-quality technology services and solutions that enable the business to achieve its goals and objectives. With over 1000 staff located in offices throughout the state, the Lottery's sole mission is to provide supplemental funding for California's public schools and colleges. While the Lottery is a public agency, it receives no public funding. Instead, all operating and administrative expenses are raised through the responsible sales of our games. Disruptions that impact revenue generation would significantly affect the Lottery's ability to achieve its mission. In addition, incorrect data supplied to executives, upon which members rely for decision-making criteria, and/or unsupported



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recommended approaches or solutions could result in wasted resources and inefficient use of Lottery resources. Negative decisions on mission critical Lottery systems could result in outages where such failures would be a significant embarrassment to the Lottery, the Governor, and the state.

Errors, incomplete staff work, poor recommendations, and/ or poor decisions may result in the loss of or disruption of major service to customers and/or the inability of ITSD to meet business needs. As appropriate, staff must be available to respond to service outages that affect daily operations to ensure business continuity.

- b. **Administrative Responsibility:** None but the Gaming Solution Architect will assist with the training of any new personnel for the unit.
- c. **Supervision Exercised and Received:** The Gaming Solution Architect is under general direction of and receives most assignments from the Enterprise Architecture Manager I; direction and assignments may also come from the extended Information Technology Services Division (ITSD) management team. This position does not supervise others.
- d. **Personal Contacts:** The Gaming Solution Architect interacts with various levels of Lottery executives, managers, stakeholders, business areas, staff, vendors and consultants, and other state agencies.

Physical and Environmental Demands

Not Applicable.

Working Conditions and Requirements

The Gaming Solution Architect will work in a fast-paced environment, with competing priorities, and critical deliverables.

- a. **Schedule:** This position supports the Lottery during normal business hours from 8:00 a.m. to 5:00 p.m. unless otherwise approved by the unit manager. Weekends, long and/or irregular hours, after-hours work, and holiday work may be required.
- b. **Travel:** Statewide overnight travel may be required.
- c. **Other:** This position is required to carry a Lottery issued cell phone. This position is required to be reachable outside of normal business hours.



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Effective Date: **TBD**

NOTE: The statements contained in this job description reflect general details as necessary to describe the principal functions of this job. It should not be considered an all-inclusive listing of work requirements. The incumbent of this position may perform other duties (commensurate with this classification) as assigned, including work in other functional areas to cover during absences, to equalize peak work periods or otherwise balance the workload.

SUPERVISOR'S STATEMENT:

- I have discussed the duties and responsibilities of the position with the employee.
- I have retained a copy of the signed duty statement.

Supervisor Signature

Printed Name

Date

EMPLOYEE'S STATEMENT:

- I have discussed the duties and responsibilities of the position with my supervisor.
- I have signed and received a copy of the duty statement.
- I am able to perform the essential functions listed with or without Reasonable Accommodation.
- I understand that I may be asked to perform other duties as assigned within my current classification, including work in other functional areas as business needs require.

Employee Signature

Printed Name

Date