Classification: Information Technology Specialist II

Working Title: Senior Cloud Engineer

Position Number: 358-533-1414-005

Division/Unit: Information Technology Services Division / Infrastructure Administration & Support

Assigned Headquarters: Sacramento Headquarters

Position Eligible for Telework (Yes/No)**: Yes**

Job Description Summary

Under general direction of the Information Technology Services Division (ITSD) Infrastructure Services Information Technology (IT) Manager I; the Information Technology Specialist II will serve as the Senior Cloud Engineer for the California State Lottery (Lottery). The duties for this position are focused in the System Engineering domain; however, work may be assigned in other domains as needed.

Job Description

35% (**Essential)** Collaborates with internal stakeholders to design and develop infrastructure solutions utilizing Azure cloud services, including cloud-native applications, containerized implementations, and cloud-based data storage. May serve as project lead on endeavors involving the California State Lottery's multi-tiered computing environments. Works closely with other ITSD team members to establish cloud backup and restoration protocols and configure systems for optimal use of network facilities and peripherals.

20% (**Essential)** Functions as an internal consultant on cloud services, cloud-based data storage, and distributed transaction processing systems. Ensures that security requirements are consistently maintained within the Lottery's multi-tiered computing environments.

15% (**Essential)** Partners with ITSD colleagues to implement local area network solutions, such as Azure cloud products, migration strategies to cloud services, cloud integration, and utilities for system monitoring, maintenance, and problem diagnosis.

15% (**Essential)** Works with Database Administrators to implement, troubleshoot, manage, and maintain cloud-based database solutions, including Synapse, Azure SQL relational databases, and Cosmos databases. Responsibilities include designing business continuity solutions across Azure regions to ensure reliability and availability.

10% (**Essential)** Provides expert guidance in delivering application and data solutions within the Lottery's hybrid multi-tiered computing environment.

5% (**Marginal)** Perform other job-related duties as assigned such as but not limited to: developing/maintaining various documentation, acting as a project lead, assisting with the training of any new personnel for the unit, 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 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.

c. **Supervision Exercised and Received:** The Senior Cloud Engineer is under general direction of and receives most assignments from the Infrastructure Services IT Manager I; however, direction and assignments may also come from the extended Information Technology Services Division (ITSD) management team.

d. **Personal Contacts:** The Senior Cloud Engineer 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 Senior Cloud Engineer 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 will be required to carry a Lottery issued cell phone. This position will be required to be reachable outside of normal business hours.

Effective Date:

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