

## **CLOUD SOLUTIONS ARCHITECT**

### **Purpose Statement**

Under general direction, Cloud Solutions Architect provides guidance and architectural support to internal and external SDCOE clients, in service definition, requirements, and design to ensure multi-faceted initiatives align with SDCOE cloud strategy and architecture; provides strategic recommendations for Cloud infrastructure design, troubleshooting, scale and performance, multiple on-premises and cloud-based solutions; serves as a subject matter expert and resource to assigned administrator.

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### **Essential Functions:**

- Establishes and assists in computing architecture and governance frameworks for on-premise and cloud systems that incorporate security best practices and applicable regulatory compliance.
- Identifies architecture and design of scalable, performant and cost-effective infrastructure and management solutions.
- Gathers and documents technical requirements from product owners and presents specific, technical solutions to internal and external clients.
- Defines and documents the cloud reference architecture, determines standards for development and implementation across all the cloud and hybrid environments.
- Collaborates with product development teams and DevOps to advocate and ensure compliance with architectural frameworks.
- Collaborates with assigned teams in the adoption of best practices in design and deployment of systems and applications.
- Performs project scoping, resource planning with internal and external customers transition and migrate from on-premises to co-located and cloud services.
- Participates in meetings, workshops, and seminars providing and conveying information identifying appropriate actions and developing recommendations.
- Maintains and builds scripts to manage on premise, cloud computing, software as a service (SaaS), infrastructure as a service (IaaS), and platform as a service (PaaS) systems.
- Develops and revises disaster recovery processes and procedures and related documentation in support of internal and external customer computing environments.
- Develops a library of deployable and documented cloud design templates for the automation of servers to a cloud environment.
- Maintains established security procedures and protocols in protecting the hardware and data of SDCOE.

### **Other Functions:**

- Performs other duties as assigned for the purpose of ensuring the efficient and effective functioning of the work unit.

## **Job Requirements: Minimum Qualifications**

### **Knowledge and Abilities**

#### KNOWLEDGE OF:

Interpret complex technical material;  
Compose a variety of documents, and analyze situations to define issues and draw conclusions;  
Relevant state of the art technology, equipment and/or systems;  
System integration and automation techniques and tools;  
Relevant operating systems;  
Various web browsers, remote desktop, and server virtualization technologies;  
Networking principles;  
Application installation and administration.

#### ABILITY TO:

Gather, collate, and/or classify data;  
Consider a variety of factors when using job related equipment;  
Flexibility is required to work with others in a wide variety of circumstances;  
Analyze data utilizing defined but different processes;  
Operate equipment using a variety of processes;  
Work with a wide diversity of individuals;  
Work with a variety of data;  
Utilize a wide variety of types of job-related equipment;  
Analyze issues and create action plans;  
Problem solving with equipment is moderate to significant;  
Setting priorities;  
Communicate effectively with persons of varied technical background;  
Meet deadlines and schedules;  
Work with frequent interruptions;  
Communicates effectively with internal and external SDCOE clients, and both technical and non-technical audiences.

### **Responsibility**

Responsibilities include: working independently under broad organizational policies to achieve organizational objectives; leading, guiding, and/or coordinating others; Utilization of resources from other work units is often required to perform the job's functions. There is some opportunity to impact the organization's services.

### **Working Environment**

Must be able to hear and speak to exchange information; see to perform assigned duties; sit or stand for extended periods of time; possess dexterity of hands and fingers to operate computer, and other office equipment; kneel, stoop, crawl, stretch, bend at the waist, and reach overhead, above shoulders and horizontally, to retrieve and store files, load paper, and access wires and cables; stoop, crawl, stretch and lift materials/objects weighing up to 50 pounds.

**Education and Experience:**

Education: Bachelor’s degree in computer science, information system, or related field.

Experience: Five (5) years of experience managing virtual server environments in a medium to large data center environment. Experience in infrastructure, database and networking architecture for highly complex internet-scale applications. Including experience working with Public Cloud services, Office 365/Azure or AWS, cloud services with one or more public cloud providers (AWS, Google Cloud, Microsoft Azure).

Equivalency: A combination of education and experience equivalent to a bachelor’s degree in computer science, information system, or related field and five (5) years of experience managing virtual server environments in a medium to large data center environment. Experience in infrastructure, database and networking architecture for highly complex internet-scale applications. Including experience working with Public Cloud services, Office 365/Azure or AWS, cloud services with one or more public cloud providers (AWS, Google Cloud, Microsoft Azure).

Required Testing

N/A

Certificates

Valid CA driver’s license

Continuing Educ./Training

N/A

Clearances

Criminal Justice Fingerprint/Background Clearance  
Drug screening  
TB Clearance

FLSA State: Exempt

Salary Grade: Classified Management, Grade 038

**Personnel Commission Approved: April 15, 2020**

Revised: N/A