UNIVERSITY OF SOUTHERN CALIFORNIA

Technical Solutions Architect

Job Code: 165459

OT Eligible: No

Comp Approval: 6/29/2016

JOB SUMMARY:

Provides technical leadership, analysis and design facilitation across business, information, technical and solution viewpoints and enterprise architecture. Partners with business teams and stakeholders to scope projects and define high-level requirements. Develops appropriate enterprise level application and custom integration solutions. Ensures that system architectures are functional, robust and appropriate for the specific business and technical needs. Defines multi-year architectural evolution and roadmaps for University wide improvements that align with the reference architectures. Conducts research in emerging technologies and continuously identifies technologies with high-potential business value. Develops and integrates technology acceleration and innovation processes. Serves as a Subject Matter Expert.

JOB ACCOUNTABILITIES:

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Provides technical leadership, analysis and design facilitation across business, information, technical and solution viewpoints and enterprise architecture. Leads the effective integration of the enterprise architecture process with other related processes (i.e., investment, enterprise program, and IT portfolio and project management) for the University.

Partners with business teams and stakeholders to scope projects and define high-level requirements. Develops appropriate enterprise-level application and custom integration solutions including major enhancements and interfaces, functions and features and validates that the proposed solution architecture supports the stated and implied business requirements. Drives solution architectures from ideation through release and support.

Ensures that system architectures are functional, robust and appropriate for the specific business and technical needs. Reviews technical team deliverables for compliance with architecture standards, guidelines and leverages best practices. Plans and leads transitions to integrated infrastructures, identifying training needs and delivering training as needed. Ensures delivered solutions are monitored, have a support plan, and adequate business controls. Provides architecture and technical support during production incidents.

Defines multi-year architectural evolution and roadmaps for University-wide improvements that align with the reference architectures.

Conducts research in emerging technologies and continuously identifies technologies with high-potential business value and specifies their appropriate usage in developing business solutions. Conducts technology trends studies and publishes trend reports on an annual basis.

Develops and integrates technology acceleration and innovation processes with the overall project management practices, Engineer-to-Engineer processes, and software development lifecycle.

Serves as a Subject Matter Expert (SME) to individual projects in the areas of IT architecture and technology selection decisions.
Performs other related duties as assigned or requested. The university reserves the right to add or change duties at any time.

*Select E (ESSENTIAL), M (MARGINAL) or NA (NON-APPLICABLE) to denote importance of each job function to position.

**EMERGENCY RESPONSE/RECOVERY:**

Essential:  

☐ No  

☐ Yes In the event of an emergency, the employee holding this position is required to "report to duty" in accordance with the university’s Emergency Operations Plan and/or the employee’s department’s emergency response and/or recovery plans. Familiarity with those plans and regular training to implement those plans is required. During or immediately following an emergency, the employee will be notified to assist in the emergency response efforts, and mobilize other staff members if needed.

**JOB QUALIFICATIONS:**

**Minimum Education:**

Bachelor's degree  
Combined experience/education as substitute for minimum education

**Minimum Experience:**

10 years

**Minimum Field of Expertise:**

Recognized subject matter expertise in at least one IT discipline (Networking, Information Security, High Performance Computing, Cloud Computing, Software Engineering, IT Infrastructure) Excellent presentation and communication skills. Demonstrated ability to lead in a highly matrixed, heavily federated organization through a combination of influence, partnership, and authority. The ability to create original concepts/theories for various projects and to work independently.

**Preferred Education:**

Master's degree

**Preferred Field of Expertise:**


**Skills: Other:**

Analysis  
Assessment/evaluation  
Coaching  
Communication -- written and oral skills  
Conceptualization and design  
Conflict resolution
Consulting
Interpretation of policies/analyses/trends/etc.
Knowledge of applicable laws/policies/principles/etc.
Lead/guidance skills
Negotiation
Networking
Organization
Planning
Problem identification and resolution
Public speaking/presentations
Research
Scheduling
Teaching/training

Skills: Machine/Equipment:

- Computer network (department or school)
- Computer network (university)
- Computer peripheral equipment
- Network monitoring equipment
- Personal computer
- Photocopier
- Servers

Supervises: Level:

Leads employees performing similar work on a project basis.

SIGNATURES:

Employee: _____________________________________  Date:_____________________________

Supervisor: ____________________________________  Date:_____________________________

The above statements are intended to describe the general nature and level of work being performed. They are not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of personnel so classified.

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