



## Office of Human Resources IT Enterprise Architect Senior - CI3091

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### General Statement of Duties

Performs full performance level information technology work that translates business needs into technical system solutions that have City-wide impact. Integrates hardware, software and network interfaces to form a system. Recommends products that will evolve the organization's technical infrastructure. Provides leadership in developing the organization's technical staff. Requires a thorough foundation in the principles and practices of Enterprise Architecture and provides authoritative advice to top level management and other City Leadership on matters of key importance to city goals, programs and mission.

### Distinguishing Characteristics

The IT Enterprise Architect Senior is distinguished from the IT Enterprise Architect Associate that performs standard performance level information technology work that translates business needs into technical system solutions that have City-wide impact. Integrates hardware, software and network interfaces to form a system. Recommends products that will evolve the organization's technical infrastructure. Provides leadership in developing the organization's technical staff. Requires a thorough foundation in the principles and practices of Enterprise Architecture and provides authoritative advice to top level management and other City Leadership on matters of key importance to city goals, programs and mission.

The IT Enterprise Architect Senior is distinguished from the IT Data Architect Senior that performs full performance level information technology work developing, implementing, and maintaining complex, large scale business and enterprise data models; designing and building relational databases; developing and maintaining enterprise-wide data architecture, governance, processes and tools; and serving as a technical expert to the organization in the use of enterprise and business data systems.

### Essential Duties

Consult with business and technology leadership on new initiatives and business challenges. Define a technology solution that meets reference architecture standards.

Drive technology and strategy planning sessions with internal and external business partners, create technology strategy documents and contribute to the City's technology roadmap development.

Identify the organizational impact (for example, on skills, processes, structures and culture) and financial impact of the EA.

Research and maintain knowledge in emerging technologies and possible application to the business.

Participate in and facilitate the creation of governing principles to guide the EA strategy and solution decisions for the enterprise.

Develop and continually improve the City's Cloud Strategy. Assist in driving adoption of our Cloud Strategy to include security, integration, data and budget implications.

Research, evaluate and recommend technologies that support current or future City's strategies.

Be proficient at the use of an EA tool for business service mapping, capabilities and store EA artifacts. Also responsible for helping to drive adoption of the EA tool with other teams with Technology Services.

Analyze industry, technology, and market trends to determine their potential impacts on the enterprise.

Act as an advisor to Technology Services Leadership to fit projects, programs and priorities to enterprise architecture and identify when it is necessary to modify the enterprise architecture to accommodate needs.

Identify business requirements that affect the enterprise architecture and provide solutions that integrate into the overall architectural vision and strategy.

Work closely with subject matter expert and technology discipline leaders to continually enhance reference architecture, technology standards, policy and governance.

Maintain an organization-wide view current and future business and application architecture in support of goals and objectives.

Define and communicate company's enterprise architecture values and standards for acquiring or developing systems, equipment, or software within the company.

Provide expertise in the development of standards, architectural governance, design patterns and IT practices.

Provide leadership with holistic view of long term technology viability, sustainably and financial impact to the organization.

Performs other related duties as assigned.

Employees may be re-deployed to work in other capacities in their own agencies or in other City agencies to support core functions of the City during a City-wide emergency declared by the Mayor.

Any one position may not include all of the duties listed. However, the allocation of positions will be determined by the amount of time spent in performing the essential duties listed above.

## Competencies

**Client Orientation** – Applies quality management principles and processes for delivery of high-quality products and service(s) within a functional area, meets routine demands of internal and external customers/stakeholders, and strives for continuous improvement.

**Influencing/Negotiating** – Persuades others to accept recommendations, cooperate, or change their behavior, works with others towards an agreement, and negotiates to find mutually acceptable solutions.

**Leadership** – Initiates and sustains action to accomplish the goals of a functional area by guiding and motivating others and gaining the confidence and active support of subordinates, peers, and internal and external customers/stakeholders, achieves voluntary commitment to shared values and goals, and adapts leadership style to different situations.

**Oral Communication** – Expresses information to individuals or groups effectively; taking into account the audience and nature of the information; makes clear and convincing oral presentations; listens to others, attends to nonverbal cues and responds appropriately.

**Technical Competence** – Is knowledgeable about the subject matter, procedures, requirements, regulations, and policies related to area of responsibility and provides expert advice to staff, higher-level managers, peers, and internal and external customers/stakeholders.

**Technology Application** – Uses machines, tools, instruments, and/or equipment effectively and uses computer applications to analyze and communicate information in the appropriate format.

Vision – Understands where the organization is headed and how to make a contribution, takes a long-term view, and recognizes opportunities to help the organization accomplish its objectives or move toward the vision.

### **Knowledge & Skills**

Knowledge of basic compute capabilities including storage, networking and compute in on premise, IaaS, PaaS and SaaS deployment models.

Knowledge of Enterprise Architecture frameworks such as TOGAF and Zachman and tools like BizDesign.

Knowledge of analytics tools such as Power BI.

Knowledge of supervisory theories and methods sufficient to be able to perform a variety of lead work or supervisory functions.

Skill in architecting, designing and building scalable and performant cloud infrastructure for solutions with high availability, security and disaster recovery.

Skill and experience designing as-is, candidate, reference and future state architectures.

Skill designing and implementing big data applications & data processing pipelines including some of following technologies: Hadoop, Apache NiFi, Storm/Heron, Spark, Kafka.

Skill designing and installing cloud-based streaming data solutions in AWS, Azure or Google Cloud Platform.

Ability designing and/or installing cloud-based streaming data solutions in AWS, Azure or Google Cloud Platform.

Ability to achieve stretch goals in a very innovative and fast paced environment.

Ability to learn new technologies quickly and independently.

### **Level of Supervision Exercised**

By position, may perform lead work on a project or rotating basis.

### **Education Requirement**

Bachelor's Degree in Computer Science, Information Systems, Business Administration, Mathematics or a related field.

### **Experience Requirement**

Four (4) to seven (7) years of experience in an enterprise architect or similar role.

### **Education & Experience Equivalency**

One (1) year of the appropriate type and level of experience may be substituted for each required year of post-high school education.

Additional appropriate education may be substituted for the minimum experience requirements.

### **Licensure & Certification**

None

**Working Environment**

Subject to many interruptions.  
Subject to long irregular hours.  
Pressure due to multiple calls and inquiries.

**Level of Physical Demand**

1-Sedentary (0-10 lbs.)

**Physical Demands**

(Physical Demands are a general guide and specific positions will vary based on working conditions, locations, and agency/department needs.):

Accommodation: Ability to bring objects into focus.  
Color vision: Ability to distinguish and identify different colors.  
Fingering: Picking and pinching, through use of fingers or otherwise.  
Handling: Seizing, holding, grasping, through use of hands, fingers, or other means.  
Hearing: Perceiving and comprehending the nature and direction of sounds.  
Lifting: Moving objects weighing no more than 10 pounds from one level to another.  
Reaching: Extending the hands and arms or other device in any direction.  
Sitting: Remaining in a stationary position.  
Standing: Remaining in a stationary position.  
Talking: Communicating ideas or exchanging information.  
Vision Near Acuity: Ability to perceive or detect objects at 20 inches or less.  
Walking: Ability to move or traverse from one location to another.  
Written Comprehension: Ability to discern the meaning of written words.

**Background Check Requirement**

Criminal Check  
Employment Verification

**Assessment Requirement**

None

**Probation Period**

Six (6) months.

**Class Detail**

**Pay Grade:** EX-15  
**FLSA Code:** Y  
**Established Date:** 9/21/2018  
**Established By:** GT  
**Revised Date:**  
**Revised By:**  
**Class History:**