

## **CLASS TITLE: ENTERPRISE DATA ARCHITECT**

**PURPOSE OF THE CLASSIFICATION:** Under general direction performs as the principal architect and technical expert designing, defining, planning, developing and coordinating the implementation of the data architecture for the enterprise, including identification of key data/business entities, the relative inter-dependencies, data standards and governance methodologies and other related assigned duties.

### **ESSENTIAL TASKS:**

- Provides enterprise level leadership and architectural direction and guidance for all IT projects, creating a future vision of data architecture
- Documents, develops, and implements a data architecture consistent with established architectural principles, establishing and maintaining the domain model, data standards and dictionary, data governance and quality
- Collaborates with business leaders, analysts, software development teams and IT operations department in the development and management of the data architecture and Business Intelligence (BI) strategies for warehousing, reporting, and integration initiatives
- Develops and institutionalizes enterprise-wide data roadmaps, detailing a multi-quarter, phased implementation approach
- Develops detailed design documentation for large, enterprise-wide projects and impacted applications
- Provides leadership for complex/critical project activities to ensure data standards/quality, timely implementation and cost-effectiveness, monitoring project progress as needed
- Presents and drives ideas, schedules and projects within cross-functional groups and external partners, driving consensus within complex problem domains and leading the direction of the team(s)
- Works with technology providers to ensure maximum technology leverage
- Researches new technologies and stays current with technological developments in relevant areas
- Supervises staff supporting IT architectural initiatives and administers related budget and planning functions
- Must report to work on a regular and timely basis

**Reasonable accommodations may be made to enable individuals with disabilities to perform the essential tasks.**

### **QUALIFICATIONS:**

Training and Experience: Graduation from an accredited college or university with a bachelor's degree in computer science, data science, business administration, mathematics or statistics, including or supplemented by advanced coursework in computer science and seven (7) years data architecture and/or related project management experience in a medium to large organization; or an equivalent combination of training and experience per Personnel Policies and Procedures, Section 128.

Knowledge, Abilities and Skills: Comprehensive knowledge of all phases of application technology and multi-tier and/or service oriented architectures; comprehensive knowledge across business, information, related applications, security and multiple technologies and integrated interactions; comprehensive knowledge of relational database management systems, transactional and analytical database structures, normalization and schema best practices, data modeling and profiling tools, familiarity with data visualization, presentation, reporting and analysis tools; and knowledge of the principles and concepts of budget planning and administration. Ability to define architecture standards at the enterprise level; ability to perform research, analyze complex issues and provide effective technical solutions; ability to demonstrate technical expertise and business acumen, influencing business decisions; ability to supervise subordinate personnel engaged in technical data architecture and related user training work; ability to manage through ambiguity and organize information from multiple sources; ability to interface with customers and technical staff, mediating customer requirements with system capabilities and provide optimal business value; ability to manage IT projects, testing documentation and planning; ability to define and articulate complex data flows to departmental and City leaders, demonstrating strong leadership and communication skills; ability to utilize the highest level of interpersonal skill in order to understand, select, develop and motivate people at any level within or outside the organization.

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Physical Requirements: Physical requirements include arm and hand steadiness and finger dexterity enough to use a keyboard and telephone; lifting, pushing, and pulling up to 50 pounds; may be subject to walking, standing, sitting, reaching, bending, kneeling and handling; and vision, speech and hearing sufficient to perform the essential tasks.

Licenses and Certificates: Possession of a valid Oklahoma Class "D" Driver's License.

**WORKING ENVIRONMENT:** Working environment is primarily indoors in an office setting; and may require some travel to various City locations to provide computer-related assistance.

**Class Code: 1500**

**EEO Code: E-01**

**Pay Code: IS-48**

**Group: Clerical and Administrative**

**Series: Data Processing and Information Services**

**Effective Date: January 14, 2019**