**Class Summary**

The responsibilities of this classification include serving as the County’s lead, providing design and consulting to continually evolve the County’s data to provide enterprise wide business functionality. Enterprise Architect - Data may act as an independent contributor or a supervisor of a team to establish and maintain alignment among the enterprise data architecture, the strategic IT plan, and the strategic priorities of the business. This classification serves as the County’s recognized enterprise-level data architecture expert responsible for guiding and training data and applications staff on, and providing direction on the best use of the components that comprise the County’s data architecture.

**Distinguishing Characteristics**

This is the second level in a two-level Architect - Data classification series. Incumbents in this classification serve as the highest level data architecture expert who applies a broad knowledge of both data architecture concepts and County data to lead teams in defining and implementing County data strategies, principles, and standards for data modeling, data quality, and metadata management.

This classification is distinguished from the Solution Architect - Data in that the Enterprise Architect - Data consistently focuses on the definition and implementation of data strategies, principles, and standards for data modeling, quality, and metadata management. The Enterprise Architect - Data’s work spans both department and business domain boundaries with a heavy emphasis on enterprise-level integration and re-use. The Enterprise Architect - Data frequently integrates the work of Solution Architect - Data in order to provide an enterprise view of the County’s data; and is responsible for the build-out, documentation, and institutionalization of the use of the data architecture portion of the County’s enterprise architecture framework.

**Examples of Duties**

1. Lead and collaborate with the chief enterprise architect, business users, other architects, technical staff, and service owners in determining the optimum governance structure and membership for the data-related domain teams.
2. Translate enterprise business requirements into long-term information/data architecture solutions, including conceptual, logical, and physical models.
3. Define and maintain best practice guidelines and standards for data, metadata, data modeling, and management.
4. Provide best practice leadership to database administrators and application developers.
5. Lead the design of the data portion of the County’s Service Oriented Architecture.
6. Lead and/or participate in the evaluation and implementation of data-related technologies that can improve the County’s ability to capture and integrate data.
7. Provide data design advice and coordination to complex, high impact data integration and migration projects.
8. Lead the County in the developing enterprise-level strategy and expertise in Business Intelligence, Data Warehousing, and Big Data.
9. Provide subject matter expertise on budget requests, cost/benefit analyses, technical evaluations, feasibility studies and/or proposals and Requests for Proposal or Information.
10. Create County documentation standards, including architectural processes, templates, technical diagrams, and solution design documents. Encourage the use of County standard modeling methods and communication, conducting or coordinating trainingon the standard methose and diagramming standards.
11. Conduct or coordinate training sessions, ranging from formal classes on new technology to informal lunch and learns, and other types of training.
12. Serve as a mentor to staff seeking architecture skills as part of career development by partnering on progressively difficult projects with the support of management.
13. May supervise the work of assigned professional staff; develop performance measures and conduct performance evaluations; recommend hiring and disciplinary action to management.
14. Perform other duties as assigned.

**Knowledge/Skills**

Expert knowledge of data architecture principles, approaches, and best practices

Knowledge of implementing data-centric applications, such as data warehouses, operational data stores, and data integration projects

Knowledge of master data management best practices and the ability to lead in their implementation and maintenance

Knowledge of enterprise architecture frameworks and the relationship of data architecture to business, application, and technology architecture

Expert knowledge of data governance processes and structures

Knowledge in producing conceptual, logical, and physical data models

Knowledge in metadata management-maintenance as well as design and implementation of metadata-driven enterprise solutions

Knowledge of data classification, business ownership/stewardship definition, and developing role-based data access

Knowledge of relational databases

Knowledge of reporting/analytic technologies

Knowledge of ETL methodologies and tools

Knowledge of data privacy, compliance, and security principles

Knowledge of data discovery methodologies

Ability to learn and understand the complexities of the County’s business and technical environments and use this understanding to optimize architectures within the County

Skills in project management and team leadership techniques

Skill in coordinating and facilitating complex projects involving stakeholders with conflicting interests

Skill in personnel management, including mentoring and coaching staff, goal setting, and performance management

Skill in researching and providing recommendations on strategic issues, and emerging data-related technologies

Skill in conveying technical information to non-technical users

Skill in handling multiple competing priorities

Skill in analysis, problem solving and troubleshooting

Advanced skill in written and verbal communication

Skill in customer service

Skill in working with a variety of individuals from diverse backgrounds

Ability to work independently and as a team member

Skill in using current office software programs including word processing, spreadsheet, database and email

**Education and Experience Requirements**

Bachelor’s degree in information technology/computer science or related field and minimum two years experience as a solution level architect in the data domain or a minimum five years of experience as an application developer/engineer or Database Administrator

OR any combination of education and experience that clearly demonstrates the ability to perform the job duties of the classification

**Licensing, Certification and Other Requirements**

Some licenses, certifications and other requirements determined to be necessary to meet the business needs of the employing unit may be required.

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| **FLSA Designation** | Exempt (Computer) |
| **Service Status** | Career Service |
| **EEO Code** | 2 |
| **Levels within same series** | Solution Architect - Data  Enterprise Architect - Data |
| **Class History** | Created 05/2015  Updated 08/2018 – Included “May supervise” as an example of duty |