**Class Summary**

The responsibilities of this classification include serving as the County’s lead designer providing design and consulting services to continually evolve the County’s technologies and related processes to maximize business functionality. Enterprise Architect - Technology may act as an independent contributor or a supervisor of a team to establish and maintain alignment between the County’s strategic technology plan and the enterprise technology architecture. The Enterprise Architect - Technology collaborates with business users, projects, engineers, and architecture efforts with a particular focus around how to best design and implement technologies in support of strategic directions.  Incumbents serve as the County’s recognized enterprise-level technology architecture expert, responsible for guiding and training staff and providing direction on the best use of the components that comprise the County’s technology architecture.

**Distinguishing Characteristics**

This is the second level in a two-level Architect - Technology classification series. Incumbents in this classification apply principles, theories and concepts of both enterprise architecture and advanced technology architecture. This role serves as a top architecture expert who applies a broad knowledge of technology expertise and the County’s technical environment to lead teams in setting County technology standards, best practices, reference architectures, solution patterns and policies.

This classification is distinguished from the Solutions Architect - Technology in that the Enterprise Architect - Technology consistently focuses on the design and interoperability of all architectures in the County’s technology portfolio, which spans agency, departmental, partner, and enterprise technology domain boundaries. Incumbents are responsible for the build-out, documentation, and institutionalization of the use of the technology architecture portion of the County’s enterprise architecture framework. This classification works closely with management and technical experts to set County-wide technical standards and policies, and create strategic and tactical IT plans to support the business needs of the County.

**Examples of Duties**

1. Lead and collaborate with the Chief Enterprise Architect, peer enterprise architects, other architects, technical staff, and service owners in determining the optimum governance structure and membership for the technology-related domain teams.
2. Lead the Enterprise Architecture Initiative process for the definition of major components of the County’s technology architecture.
3. Conduct architecture reviews to ensure compliance with technology architecture standards and best practices. This includes, but is not limited to conceptual, design, and vetting reviews.
4. Collaborate with solution technology architects, business users, peer architects, engineers, service owners, and other technical staff to translate business requirements into technical designs, reference architectures, and solution patterns.
5. Lead teams to develop roadmaps, standards, best practices, solution patterns, reference architectures, and policies and processes for the domains within the technology architecture.
6. Lead teams in enterprise architecture efforts for the definition of major components of the County’s technology architecture.
7. Lead the design of the technology portion of the County’s Service Oriented Architecture.
8. Lead and/or participate in the evaluation of new technologies and ensure a cross-domain perspective is represented.
9. Provide design advice to complex, high impact projects.
10. Consult with internal or external customers and IT staff to help match solution patterns to business and technical requirements.
11. Provide subject matter expertise on budget requests, cost/benefit analysis, technical evaluations, feasibility studies and/or proposals and Requests for Proposal or information.
12. 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 training on the standard methods and diagramming standards.
13. Conduct or coordinate training sessions ranging from formal classes on neww technology to informal lunch and learns and other types of training.
14. 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.
15. May supervise the work of assigned professional staff; develop performance measures and conduct performance evaluations; recommend hiring and disciplinary action to management.
16. Perform other duties as assigned.

**Knowledge/Skills**

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

Familiarity with all of the following, and working knowledge of at least two of the following:

* Infrastructure technologies
* Network technologies
* Platform technologies
* Application technologies
* Integration technologies
* Security technologies

Knowledge of cloud and on-premise solutions and an understanding of the relative advantages and support implications of each

Knowledge of various technologies

Expert knowledge in producing technology architecture diagrams, models, and schematics

Expert knowledge in usage of use cases and solution patterns

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

Expert knowledge of EA governance processes and structures

Knowledge of SOA design and implementation

Knowledge in designing, implementing, and maintaining technical infrastructure

Knowledge of systems management concepts and best practices

Knowledge of privacy, compliance, and security principles

Advanced knowledge of project management and team leadership techniques

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

Project management, planning and organizational skills

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

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

Skill in researching strategic issues, providing analysis and recommending emerging 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 two yeas as a a solution or enterprise technology architect or ten years experience in at least two of the following technology roles: Infrastructure technologies, Network technologies, Platform technologies, Application technologies, Integration technologies, Security technologies

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 - Technology  Enterprise Architect - Technology |
| **Class History** | Created 05/2015  Updated 08/2018 – Included “May supervise” as an example of duty |