**Class Summary**

The responsibilities of this classification include serving as the County’s lead, providing design and consulting to continually evolve the applications in the County’s portfolio to provide enterprise wide business functionality. Enterprise Architects - Application may act as an independent contributor or a supervisor of a team performing application and integration systems analysis and design of complex cross-department, and cross-domain applications. Incumbents are responsible for serving a critical role in ensuring a well architected application portfolio, Service Oriented Architecture (SOA) and supporting modernization efforts, and are the County’s recognized enterprise-level application architecture expert.

**Distinguishing Characteristics**

This is the second level in a two-level Architect - Application classification series. Incumbents in this classification serve as the highest level application architecture expert applying a broad knowledge of both application industry and County applications to lead teams in setting County application standards, best practices, reference architectures, solution patterns and policies.

This classification is distinguished from the Solutions Architect - Application in that the Enterprise Architect - Application consistently focuses on the design and interoperability of all applications within the County’s portfolio. Additionally, it is responsible for the build-out, documentation, and institutionalization of the use of the application architecture portion of the County’s enterprise architecture (EA) framework.

**Examples of Duties**

1. Collaborate with the Chief Enterprise Architect, peer enterprise architects, and service owners in determining the optimum governance structure and membership for the application-related domain teams.
2. Lead the EA Initiative process for the definition of major components of the County’s application architecture.
3. Participate in architecture reviews including, but not limited to conceptual, design, and vetting reviews. Advise senior IT staff and management on process improvement for application selection or development, integration, design, and implementation.
4. Work with business staff, service owners, IT Governance staff, and technical staff to ensure applications are selected, designed, and implemented in a way that optimizes the County’s application portfolio.
5. Lead teams to develop standards, best practices, solution patterns, reference architecture, and policies and processes for developing and deploying SaaS, COTS, and in-house developed applications. Review and approve project designs for compliance with architecture standards and best practices.
6. Lead the design of the application and integration portion of the County’s Service Oriented Architecture.
7. Provide design advice for complex, high impact integration and migration projects.
8. Consult with internal or external customers and IT staff to help match solution patterns to business and technical requirements.
9. May coordinate complex designs or integrations involving stakeholders with conflicting interests.
10. Provide subject matter expertise on budget requests, cost/benefit analyses, technical evaluations, feasibility studies and/or proposals and Requests for Proposal or Information.
11. 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.
12. Conduct or coordinate training sessions ranging from formal classes on new technology to informal lunch and learns, and other types of training.
13. 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.
14. May supervise the work of assigned professional staff; develop performance measures and conduct performance evaluations; recommend hiring and disciplinary action to management.
15. Perform other duties as assigned.

**Knowledge/Skills**

Expert knowledge of SaaS, COTS, and in-house development, and an understanding of the relative advantages of each

Expert knowledge of cloud and on-premise solutions and an understanding of the relative advantages of each

Expert knowledge in usage of application use cases and solution patterns

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

Expert knowledge of EA governance processes and structures

Expert knowledge of SOA design and implementation

Knowledge in designing, implementing, and maintaining systems for core business applications

Knowledge of client/server and web programming environments

Knowledge of integration technologies and architectures

Knowledge in multiple application development areas, such as database and component programming

Knowledge of development methodologies, software engineering and the software development life cycle

Knowledge of database design and application techniques in a database environment

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

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

Project management, planning and organizational skills

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 verbal and written 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 five years experience as an application developer/engineer or minimum two years as a solution level architect, preferably in the application domain

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