COUNTY OF SANTA BARBARA

Enterprise Architect

EST: xx.2025

DEFINITION

Under general supervision, develops strategies to optimize existing, recent, and emerging technologies to best utilize and enhance the County's networks, systems and associated applications in support of County objectives. Analyzes the current networks, systems, and associated applications to detect critical deficiencies and recommends solutions for improvement. Advocates and supports polices and initiatives that build and enhance the enterprise architecture. Responds to disruptive forces, County department needs, and the changing environment and technologies.

DISTINGUISHING CHARACTERISTICS

This single position classification is responsible for highly complex assignments that include analyzing and recommending integrated systems, new technologies, security and compliance requirements, system reliability issues, and managing public, confidential and regulated data. The Enterprise Architect may serve as a team member, internal consultant, and/or team lead on multiple large, critical projects, and provides direction, guidance, and facilitation in the development of current and future network and system architecture required to meet the business needs, goals, and strategic direction of the County. This position is focused on balancing and prioritizing operations demands, disruptions, and system opportunities, as well as advising on longer-term strategic planning for the organization's networks, systems, and applications.

SUPERVISION RECEIVED AND EXERCISED

Receives general direction from Information Technology Department executive leadership. Exercises indirect supervision to departmental IT staff.

EXAMPLES OF DUTIES:

These examples are not intended to reflect all duties performed within the job.

1. Analyzes, designs, recommends, and implements business and system architecture models within the organization; ensures alignment with the County's strategic plans, objectives, and goals.

2. Researches, develops, recommends, communicates, and maintains enterprise architecture models, initiatives, capabilities, and components to effectively perform the County's operations and technology activities.

3. Researches, analyzes, and recommends improvements to current information technology infrastructure, organizational strategies, internal functions, systems, and processes to optimize operations.

4. Researches, analyzes, and recommends methods to reduce information technology expenditures through automation, standardization, and other means; analyzes and recommends whether internal or external solutions would be the most cost effective; researches and recommends software and vendors.

5. Researches, analyzes, and recommends information technology policies and standards and works in coordination with the County technology committees and sub-committees.

6. Analyzes technology industry and market trends to determine their potential impact on existing enterprise architecture; researches and evaluates emerging technology to assist in project development and/or operational support activities.

7. Participates in the strategic planning cycle, with an understanding of common issues, drivers, imperatives, and objectives across the County.

8. Communicates effectively with County departments and employees to ensure understanding of architecture practices, and the operation and technology implications of architectural decisions; determines any gaps in relevant knowledge and skills of County staff and recommends and organizes training to enhance employee knowledge/skills for future organizational growth.

9. Maintains an accurate portfolio of system capabilities, strategies, and opportunities.

10. Ensures system architecture supports the security, privacy, and resiliency of countywide information technology systems, operations, and data; collaborates in the definition and implementation of the enterprise disaster recovery plan; researches, recommends, and implements information technology solutions to support data storage, metadata management, and change control.

11. Forecasts product/service requirements based on near-term and long-term agency and information technology demands; ensures compatibility with existing solutions, infrastructure, services, and strategic requirements.

12. Detects critical deficiencies and system weaknesses; researches and recommends solutions for improvement; performs ongoing architecture quality review activities. Develops, motivates, and provides lead direction to staff; collaborates with information technology teams in the management of technical change, verification of testing results, and monitoring of technical standards compliance and deployment.

13. Develops and administers budgetary and procurement processes related to assigned area; manages contracts; researches and analyzes financial information; makes resource allocation recommendations; and implements resource allocation decisions.

14. Researches, analyzes, develops, and reviews original reports, training materials, policy and procedure documents; and develops and makes recommendations to higher-level staff.

15. Builds and maintains positive working relationships with co-workers and other County staff.

16. May train and supervise staff as assigned.

17. Performs related duties as assigned.

MINIMUM QUALIFICATIONS

Education and Experience

The knowledge, skills, and abilities listed below may be acquired through various types of training, education, and experience. A typical way to acquire the required knowledge and abilities would be:

- Seven years of increasingly responsible experience in enterprise architecture design and deployment, systems lifecycle management, and infrastructure planning and operations

Desired Qualifications

Bachelor's degree in computer science, information systems, computer engineering, system analysis, or other closely related field and experience working in a local government environment is preferred but not required.

Knowledge of:

- Information management practices, system development, life cycle management, and optimization of information systems and architecture.
- Existing, recent, and emerging technologies and processing environments, and evaluating best technology solutions to enhance operations.
- Applicable federal, state, and local laws, codes, and regulations, evaluating their impact on existing enterprise architecture and work processes, and on-going auditing and compliance methods.
- Principles and practices of implementing shared infrastructure to improve information sharing and minimize expenses.
- Principles and practices of developing standards and policies for enterprise architecture, coordinating multiple, diverse technologies and processing environments, and the use of information technology assets.
- Principles and methods of operating and financial modeling, cost-benefit analysis, budgeting, and risk management.
- Principles and methods of enhancing and upgrading existing enterprise architecture, and post-implementation review and improvement efforts.
- Principles and practices of user education regarding utilization of information technology products and solutions available within the organization.
- Principles and methods of evaluating enterprise architecture and information technology systems for quality assurance and control, network security, vulnerabilities and/or deficiencies that may compromise performance or efficiency, and recommending solutions for improvement
- Principles and methods of enterprise disaster recovery and contingency planning.
- Data sourcing, enterprise data management, modeling and graphic representations, cloud computing, system architecture, and appropriate enterprise solutions.
- Office procedures, methods, and equipment including computers and applicable software applications such as word processing, spreadsheets, databases, and other specialized applications related to area of assignment.
- Principles and practices of supervision, performance management, and staff training.
- English usage, spelling, grammar, and punctuation

Ability to:

- Establish and implement appropriate information technology and network architecture standards, policies, and procedures.
- Research, analyze, and recommend appropriate network and information technology trends, enhancements, and innovations.
- Identify and balance long-term and short-term needs and goals for the department and the County.
- Encourage consensus on complex matters involving diverse stakeholders with varying points of view.
- Develop strategic technology plans, and lead efforts to create technological solutions to agency needs.
- Perform on-going architecture quality review and develop opportunities for improvement.
- Interpret and apply federal, state, and local laws, codes, and regulations.
- Demonstrate strong technical, analytical, problem solving, and project management skills.
- Prioritize work, coordinate with others, manage multiple projects and initiatives, provide project leadership and motivation, and establish work and project guidelines.
- Gather and analyze data, develop solutions, anticipate consequences, and evaluate results.
- Communicate clearly and concisely, both orally and in writing, to technical and non-technical audiences.
- Establish, monitor, and control projects and schedules to meet goals, objectives, and critical deadlines.
- Establish and maintain cooperative, effective working relationships with a variety of County staff, vendors, and others.
- Apply customer service skills, including the identification of customer needs, and follow up to ensure customer commitments have been met.
- Interpret and summarize a variety of data and information, and prepare a variety of documents and reports.
- Supervise and train staff, when assigned.
- Exercise discretion and maintain confidentiality of information.

ADDITIONAL INFORMATION

May be required to work a varied schedule of hours, which may include evenings, weekends, and holidays.

Completion of a background investigation to the satisfaction of the County, including Livescan and Criminal Justice Information Systems (CJIS) Clearance is required.

This is an at-will job classification.

Class # 8059   EEOC 1   Medical A   Vts Pts: No