Applications Architect II

Job Code	20000989	**Job Family**	Technology	**Professional / Knowledge Worker**	
Department	ITS Applications Architecture	**Reports to**	Sr Mgr App/Oper Mgmt	**Union Status**	Non-Represented
FLSA Status	Exempt	**Pay Grade**	2062	**This Job is a Lead**	No
Last Updated	12/1/2022				

Accountability for Workplace Culture

Our PUD values are at the center of our culture. Putting the safety, health, and well-being of our communities and those we work with is valued above all else and everyone on Team PUD must meet this commitment daily. Nothing we do in achieving our Mission is worth a single injury, and all who interact with us must feel they are valued and welcomed as individuals.

Everyone on Team PUD, in all positions, is accountable for achieving this safe and welcoming culture by:

1. Taking full ownership for the safety of themselves and their coworkers, while ensuring everyone feels valued and welcomed.
2. Taking action to identify and eliminate their own and others' at-risk behaviors, including the behaviors that may undermine another's feelings of being welcomed and valued.
3. Following all safety rules and regulations and ensuring the PUD's expectations for conduct and respect are maintained.
4. Openly sharing near-misses, safety learning opportunities, and ways we can learn to be a more welcoming place while encouraging others to do the same.
5. Utilizing Stop Work Authority to intervene with anyone, anytime, in any place.
6. Intervening or seeking guidance to stop actions that are harmful to the wellbeing, health, or sense of belonging of others, and which are detrimental to our PUD values.

Job Summary

Performs systems engineering for planning, design, and implementation of complex frameworks, architecture at a conceptual and logical level; consults with, or assists Solution Delivery Teams, business teams, and ITS Management. Leads and oversees the planning, integration, policy development, quality, and standard development for the District's IT application architecture. Provides solutions for enterprise level application and custom integration including major enhancements and interfaces, functions, and features. Recommends, communicates, and develops application strategy with all levels of the organization. Develops programming and development standards and procedures and recommends new technologies and methods.

Accountabilities

Accountability #1

Achieve the highest level of employee and community trust in how the District manages applications architecture by ensuring development of technology systems supporting one or more critical operations to ensure the delivery of cost effective and efficient maintenance, adhering to best practices and standards on behalf of our customers and stakeholders. Ensures system meet reliability and availability Key Performance Metrics. Designs solutions that provide value and continually enhance operational processes. Ensures vendor management to ensure adherence to contract terms and service levels. Provides direction to strategic planning to gain the most value from contract negotiations and vendor relationships for solution implementation and ongoing operations, and similar responsibilities.

Accountability #2

Achieve the highest level of employee and community trust in how the District manages applications architecture by developing the technology portfolio based on complex business requirements, knowledge of available technology solutions in the industry, and developing viable options based on requirements, scope, cost, risk complexity, and align these with industry best practices. Assesses all aspects of the technology including specifications for environments, servers, capacities, databases, interfaces, workflows, security, networking, and similar responsibilities.

Accountability #3

Increase the public's confidence in the quality of technology system changes by leading and managing s all aspects of implementation of enterprise system changes based on business needs, providing technical expertise to support the analysis, evaluation of options, and solutions for an effective implementation. Responsible for configuration/develop/administration, test, and documentation to ensure delivery of quality technical solutions that reliably and sustainably meet the needs of the District, and similar responsibilities.

Accountability #4

Create a culture of caring, mutual respect and trust that empowers employees to do their best work for the benefit of our team members, customers, partners and stakeholders by providing mentorship to team members and other Architects, and similar responsibilities.

Accountability #5

Achieve the highest level of employee and community trust in how the District manages cyber security by ensuring the operations and strategic direction of technological systems, processes and data are cyber secure on behalf of our customers and stakeholders. Provide leadership to staff in adhering to operational best practices and designs standards for cyber security and privacy of PII data; seeks the best possible cyber security and privacy of data in vendor relationships, contract negotiations and project requests; and providing direction to strategic planning to prepare us for future cyber security and confidentiality solutions; and similar responsibilities. The architects participate and lead various governance boards to ensure the security and reliability of the technology portfolio including: Architecture Review Board (ARB), Change Advisory Board (CAB), Project Governance Board (PGB), and Capacity Planning (CAP), and similar responsibilities.

Accountability #6

Increase the public's confidence in the quality of technology system management by ensuring the configuration, administration, support and maintenance of the District's computer systems. Install, develops, set up, and tests hardware and software systems. Troubleshoots and resolves technical issues as they arise. Provides customer support by responding to all technology requests. Generally, leads on development, change decisions and troubleshooting for high risk systems and enterprise wide business impacts or similar work. Manages the highest escalation for unprecedented technology issues/situations relating to enterprise-wide architecture. Review requested changes to configurations and enhancements to ensure they are aligned with District policies and industry best practices. Develops options aligned with strategy, and similar responsibilities.

Accountability #7

Demonstrate outstanding value relative to cost to our customers by providing customer service (internal and external) through effective communication and collaboration to ensure technology needs are met to support District's mission in providing reliable and cost effective service. Builds and maintains effective relationships with stakeholders inside and outside the organization (e.g., customers, peers, cross-functional partners, external vendors, alliance partners). Contributes to building and sustaining an inclusive and equitable working environment by supporting all District employees. Actively supports and encourages every team member to share their ideas in an open and inclusive manner, and similar responsibilities.

Accountability #8

Deliver exceptional value to our customers through continual improvement and innovation by applying deep technical expertise in applicable technology domains, (e.g., Development, Integration,

Infrastructure, Architecture, Data Analytics, Business Strategy) and a broad understanding of how that technology is used across multiple business functions, to deliver business value. Provides overall direction, guidance and definition of IT architectures to effectively support the corporate business strategy. Consults across several business areas, acting as visionary to proactively assist in defining the direction for future projects, and similar responsibilities.

Accountability #9

Accountability #10

Minimum Qualifications Note

The minimum qualifications listed below are representative of the knowledge, skills, and abilities needed to perform this job successfully, as described in the Accountabilities. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential Accountabilities (duties and responsibilities) of this position. If you need assistance and/or a reasonable accommodation due to a disability during the application or recruiting process, please contact Human Resources at HRRecruiting@snopud.com, or by phone at 425-783-8655.

Qualifications – Education and Experience

Minimum **Required Education and Experience:**
Bachelor's Degree in Computer Science or related field, AND
Eight (8) years of progressively more responsible IT experience, including four (4) years of related architecture experience (architecture time may be concurrent);

OR

Twelve (12) years of progressively more responsible IT experience, including four (4) years of related architecture experience (architecture time may be concurrent).

Preferred **Education and Experience:**

Qualifications – License(s) and/or Certification(s)

Minimum Required License(s) and/or Certification(s):

Preferred License(s) and/or Certification(s):

Information Technology Infrastructure Library (ITIL) IT Service Management practices

Qualifications – Skills and Abilities

Minimum Required Skills and Abilities:

- Experience applying architecture principles to design of new technology solutions
- Experience designing, implementing, and supporting cloud and on-premise architecture
- Experience assessing and planning transformational technologies
- Background using development tools, programming languages, and platforms
- Software engineering practices and methodologies
- Expertise in real time transaction processing environments
- Skills in system analysis and design
- Application Development, integration and quality assurance (testing) methodologies
- Root cause analysis and troubleshooting
- Cyber security best practices
- Proven experience in systems engineering and solution design ensuring overall fit and integration within the District's systems architecture strategy
- Expert knowledge in the technical analysis of highly complex system related problems that may span multiple systems and provide resolution options
- Experience reviewing vendor product roadmaps, specifications, maintenance notifications and recommend action plans in support of short term and long-term application and system strategies
- Experience leading and influencing others in the application of industry specific business planning concepts and practices in decision making and carrying out job responsibilities
- Experience communicating with audiences of varying levels demonstrating exceptional business oral, writing and presentation skills
- Critical thinking using a structured approach to problem identification, analysis, and solution identification
- Independent and discretionary judgment and apply risk and impact analysis in decision making
- Strong collaborative skills in a team environment with a commitment to the overall success of the group
- Experience managing vendor deliverables and expectation to achieve successful outcomes
- Supports and enables strategic priorities including projects and continual improvement

Develops strategies, enterprise-wide solution designs and frameworks to drive and influence digital innovation within strategic and operational business needs

Collaborates with IT Management, Enterprise Architect, Business stakeholders, and leads establishment of IT policies, principles, standards, guidelines and design patterns supporting solution architecture

Analyzes marketplace, industry, company, technology trends, best practices, vendor products and services to inform and influence business and IT strategy and direction

Defines system and infrastructure specifications, interfaces, hardware and/or software capacity and performance planning

Defines system interdependencies and interfaces and development strategies that support the enterprise application portfolio

Develops programming and development standards and procedures and recommends new technologies and methods

Preferred **Skills and Abilities:**

Customer Service practices and principles

Project management principles, practices, and methodologies

Business concepts/theories/practices

Competencies

The following competencies describe the cluster of behaviors associated with job success in the job group identified as "Professional / Knowledge Worker".

- Adaptability
- Building Customer Loyalty
- Building Partnerships
- Communication
- Continuous Improvement
- Continuous Learning
- Courage
- Decision Making
- Earning Trust
- Emotional Intelligence Essentials
- Facilitating Change
- Influencing
- Initiating Action
- Innovation
- Leveraging Feedback

- Mentoring
- Planning and Organizing
- Positive Approach
- Professional Knowledge and Aptitude
- Stress Tolerance
- Technology Savvy
- Valuing Differences
- Work Standards

Physical Demands

Physical Demands List	Frequency
Sit	Constant (67-100%)
Walk	Occasional (11-33%)
Stand	Occasional (11-33%)
Drive	Occasional (11-33%)
Work on ladders	Never
Climb poles or trees	Never
Work at excessive heights (note heights in open text box below)	Never
Twist	Seldom (1-10%)
Bend/Stoop	Seldom (1-10%)
Squat/Kneel	Seldom (1-10%)
Crawl	Never
Reach	Never
Work above shoulders (note specific activity in open text box below)	Seldom (1-10%)
Use Keyboard /mouse	Constant (67-100%)
Use wrist (flexion/extension)	Never
Grasp (forceful)	Never
Fine finger manipulation	Constant (67-100%)
Operate foot controls	Occasional (11-33%)
Lift (note weight in open text box below)	Never
Carry (note weight in open text box below)	Never
Push/Pull (note specifics in open text box below)	Never
Work rapidly for long periods	Frequent (34-66%)
Use close vision	Occasional (11-33%)
Use distance vision	Seldom (1-10%)
Use color vision	Frequent (34-66%)
Use peripheral depth perception	Never
Speak	Constant (67-100%)
Hear	Constant (67-100%)

Additional Physical Demands not listed above and associated frequency below.

Mental Demands

Communication	Frequency
Understand and carry out simple oral instructions	Frequent (34-66%)
Understand and carry out complicated oral instructions	Frequent (34-66%)
Train other workers	Occasional (11-33%)
Work alone	Occasional (11-33%)
Work as a member of a team	Constant (67-100%)
Follow standards for work interactions	Constant (67-100%)
Write communications for clarity and understanding	Constant (67-100%)
Speak with clarity with others	Constant (67-100%)
Comprehension	**Frequency**
Read and carry out simple instructions	Frequent (34-66%)
Read and carry out complicated instructions	Frequent (34-66%)
Retain relevant job information	Constant (67-100%)
Reasoning	**Frequency**
Read and interpret data	Constant (67-100%)
Count and make simple arithmetic additions and subtractions	Frequent (34-66%)
Use intermediate and/or advanced math	Frequent (34-66%)
Organization	**Frequency**
Plan own work activities	Constant (67-100%)
Plan work activities of others	Frequent (34-66%)
Direct work activities of others	Frequent (34-66%)
Resilience	**Frequency**
Work under pressure	Constant (67-100%)
Work for long periods of time	Frequent (34-66%)
Work on several tasks at the same time	Constant (67-100%)

Additional Mental Demands not listed above and associated frequency below.

Work Environment

Environmental Conditions List	Frequency
Exposure to weather	Never
Wet and/or humidity	Never
Atmospheric conditions	Never
Confined/restricted working environment	Never
Vibratory Tasks – High	Never
Vibratory Tasks – Low	Never

Additional Environmental Conditions in this job not listed above and the associated frequency below.

Risk Conditions List	Frequency
Exposure to Heights	Never
Exposure to Electricity	Never
Exposure to Toxic or Caustic Chemicals	Never
Working with Explosives	Never
Exposure to Radiant Energy	Never
Extreme Cold	Never
Extreme Hot	Never
Proximity to Moving Mechanical Parts	Never
Noise Intensity	Never
Exposure to animals	Never
Working with angry customers	Seldom (1-10%)

Additional Risk Conditions present in this job not listed above and the associated frequency below.

On-Call Status and Frequency

On-Call is required.
⊙ Yes
○ No

On-call activities and frequency.
Regularly - more than 12 times a year This position will be on-call approximately 7 days each month and will be asked to troubleshoot or support a system, on average, once or twice per month.Must respond

within 20 minutes and be fit for duty while on call.

Work Location

The primary assignment for this position is:
○ Remote
⊙ Office Hybrid
○ On-Site
○ Field/Job Site

While this description has provided an accurate overview of responsibilities, it does not restrict management's right to assign or reassign duties and responsibilities to this job at any time. This position description is designed to outline primary duties, qualifications, and job scope, but not limit our employees or the organization to complete the work identified. In order to serve our customers best, each employee will offer their services wherever and whenever necessary to ensure the success of the District in serving our customers, to further the safety, health, and inclusivity of employees and the public, and achieve expectations of the District overall, while also remaining flexible in recognition of the employee's wellbeing.