



# Applications Development Engineer I

<b>Job Code</b>	20000270	<b>Job Family</b>	Technology	<b>Professional / Knowledge Worker</b>	
<b>Department</b>	Various	<b>Reports to</b>	Mgr ITS Applications	<b>Union Status</b>	Non-Represented
<b>FLSA Status</b>	Non-Exempt	<b>Pay Grade</b>	2055	<b>This Job is a Lead</b>	No
<b>Last Updated</b>	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

Leverage intellectual curiosity, business acumen and technical aptitude to solve complex business problems. Build, enhance and support complex applications and integrations (on-premise and in the cloud) using the latest software design methodologies and development languages. Provide technical support throughout the application technology stack as well as software development consulting to business functions, management and executive leadership.

## Accountabilities

### Accountability #1

Fiscal Management: Deliver exceptional value to our customers through fiscally responsible planning and management by assisting in development of technology systems that deliver cost effective and efficient maintenance through adhering to best practices and standards on behalf of our customers and stakeholders. Provides input to solutions that provide value and continually enhance operational processes, and similar responsibilities.

### Accountability #2

Business Innovation & Continual Improvement: Deliver exceptional value to our customers through continual improvement and innovation by participating in the implementation of system changes based on business needs, providing technical support in the analysis, evaluation of options, and solutions. Responsible for configuration/development/administration, test, and documentation to ensure delivery of quality technical solutions that reliably and sustainably meet the needs of the Organization. Generally, works on changes with low risk and business impact, and similar responsibilities.

### Accountability #3

Cyber Security (Security, PII, and Confidentiality) and Compliance: Achieve the highest level of employee and community trust in how the District manages data and system security by participating in ensuring the security and confidentiality of technological systems, processes, and data on behalf of our customers and stakeholders. Applies cyber security best practices through system administration, development, configuration, and similar responsibilities. Ensures access to protected data (PII, HIPPA, etc.) is limited to authorized personnel only. Provides input to solutions that ensure cyber security and continually adjusts to operational processes to improve and ensure security and privacy requirements, and similar responsibilities.

### Accountability #4

Operational Support: Achieve the highest level of employee and community trust in how the District manages system operations by participating in configuration, administration, support, and

maintenance of the District's computer systems. Installs, develops, sets up, and tests hardware and software systems. Troubleshoots and resolves technical issues as they arise. Provides customer support by responding to all technology requests. Provides support based on operational best practices and methodologies (e.g. Agile, ITIL, Industry Standards, etc.), and similar responsibilities.

**Accountability #5**

Collaboration and Customer Service: Demonstrate powerful partnerships that reflects an understanding of customer needs 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 #6**

Position Specific: Maintain transparency and the trust of our customers and stakeholders in how the District manages application development by supporting core design and development services for software engineering, application building and integration, enhancement, and maintenance of our core enterprise business applications by developing service and change request solutions, provide input into applications development, integration and enterprise strategy, contribute to the work management planning process, and assisting in strategic applications technology or development projects, and similar responsibilities.

**Accountability #7**

**Accountability #8**

**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](mailto: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/IT, Engineering, Mathematics, Business, or related field;

OR

Four (4) years of progressively more responsible experience using development tools, programming languages, coding platforms, software engineering practices and methodologies.

**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):**

### Qualifications – Skills and Abilities

**Minimum Required Skills and Abilities:**

Development tools, programming languages, and platforms  
Software engineering practices and methodologies  
Customer Service practices and principles

Batch and real time transaction processing environments  
System analysis and design  
Application Development, integrations and quality assurance (testing) methodologies  
Project Management principles, practices and methodologies  
Root Cause analysis and troubleshooting  
Business concepts /theories/practices  
Application Architecture Principles  
Cyber security best practices  
Codes simple to moderately complex application components based on design specifications  
Performs routine/simple maintenance and problem resolution on software applications  
Demonstrates the ability to read and understand simple object models, frameworks, and other technology concepts  
Navigates OS platforms such as Windows and Unix  
Exhibits working knowledge of development tools such as IDE's, source control, and build practices  
Articulates effectively knowledge of current and emerging technologies  
Develops and performs simple to moderately complex system conversions  
Executes disaster recovery procedures  
Performs alternative and cost benefit analysis  
Resolves simple incidents and problems using standard troubleshooting procedures, based upon education and using problem resolution systems, resources, and tools  
Developing an understanding of the major business functions processes and services of the District's business operations  
Serves as a source of specific and essential information and provides ideas to define, clarify, develop upon, or improve procedures and capabilities  
Executing on continual improvement initiatives  
Plans and manages own work effort Apprises project manager of status, schedule variances and outstanding issues  
Estimates time and effort required to complete assigned tasks

***Preferred Skills and Abilities:***

Perform development and apply frameworks and concepts in one or more of the following:  
Mobile web development technologies and environments  
Application Server technologies  
Development tools and languages  
Integration technologies  
Cloud, on-premise and hybrid architectures  
Databases  
Perform technical analysis of simple to moderately complex system related problems and provide resolution options  
Review and interpret vendor maintenance notifications and associated action plans  
Serves as a liaison between business, technical staff, management and vendors regarding service requests, change requests, usage, standards and security

Apply business planning concepts and practices in decision making and carrying out job responsibilities

Communicate with audiences of varying levels of demonstrating solid business oral, writing and presentation skills

Interpret technical information and explain in understandable terms

Perform critical thinking using a structured approach to problem identification, analysis and solution identification

Use independent and discretionary judgment in decision making

Work with and maintain confidential information

Work collaboratively in a team environment with a commitment to the overall success of the group

Manage vendor deliverables and expectations to achieve successful outcomes

Utilize metrics to optimize and improve business processes

## 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	Seldom (1-10%)
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	Seldom (1-10%)
Reach	Seldom (1-10%)
Work above shoulders (note specific activity in open text box below)	Never
Use Keyboard /mouse	Constant (67-100%)
Use wrist (flexion/extension)	Seldom (1-10%)
Grasp (forceful)	Never
Fine finger manipulation	Constant (67-100%)
Operate foot controls	Seldom (1-10%)
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	Never
Use close vision	Constant (67-100%)
Use distance vision	Seldom (1-10%)
Use color vision	Constant (67-100%)
Use peripheral depth perception	Seldom (1-10%)
Speak	Frequent (34-66%)
Hear	Frequent (34-66%)

**Additional Physical Demands not listed above and associated frequency below.**

## **Mental Demands**

<b>Communication</b>	<b>Frequency</b>
Understand and carry out simple oral instructions	Frequent (34-66%)
Understand and carry out complicated oral instructions	Frequent (34-66%)
Train other workers	Seldom (1-10%)
Work alone	Frequent (34-66%)
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%)
<b>Comprehension</b>	<b>Frequency</b>
Read and carry out simple instructions	Constant (67-100%)
Read and carry out complicated instructions	Occasional (11-33%)
Retain relevant job information	Constant (67-100%)
<b>Reasoning</b>	<b>Frequency</b>
Read and interpret data	Constant (67-100%)
Count and make simple arithmetic additions and subtractions	Constant (67-100%)
Use intermediate and/or advanced math	Occasional (11-33%)
<b>Organization</b>	<b>Frequency</b>
Plan own work activities	Occasional (11-33%)
Plan work activities of others	Seldom (1-10%)
Direct work activities of others	Never
<b>Resilience</b>	<b>Frequency</b>
Work under pressure	Occasional (11-33%)
Work for long periods of time	Seldom (1-10%)
Work on several tasks at the same time	Frequent (34-66%)

**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.**

## 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.