CLASS TITLE: Cloud Application Engineer

BASIC FUNCTION:
Under the direction of an assigned supervisor, provide leadership related to the architecture, development, integration, deployment, and delivery of applications.

REPRESENTATIVE DUTIES:

Serve as the senior level web development professional supporting District web and other enterprise applications. *E*

Architect, develop, integrate, monitor, maintain, and troubleshoot applications delivered in a cloud environment. *E*

Design and provide leadership on District's continuous integration/continuous delivery/develops procedures for enterprise applications in accordance with industry best practices and business needs. *E*

Monitor and keep current with industry best practices as it relates to web development and cloud. *E*

Research, recommend, and facilitate cloud strategies and best practices. *E*

Monitor cloud infrastructure and services. Identify, troubleshoot, diagnose, resolve, and report cloud related problems. *E*

Coordinate with District and College IT staff to troubleshoot cloud related support requests in a timely manner. *E*

Develop and maintain documentation for assigned areas. *E*

Analyze system failures and design effective security, backup and recovery systems. *E*

Act as the top tier of technical support for assigned applications including interaction with third party vendor support on complex issues. *E*

Design, develop, analyze, modify, support and debug web-based applications written in a variety of programming languages. *E*

Use various database management systems (both relational and non-relational) to design databases, produce applications and facilitate the integration of disparate systems. *E*

Monitor and report on cloud-related performance indicators and cost metrics, suggest and implement improvements. *E*

Participate in the system administration duties for assigned applications as needed. *E*

Interact with users to help identify areas of improvement for assigned systems. *E*

Plan and execute deployments including the development and delivery of communication plans, provide status of releases and build testing, following change control processes, etc. *E*

Perform related duties as assigned

KNOWLEDGE AND ABILITIES:

KNOWLEDGE OF:
- Development and Operations related concepts and tools, such as Continuous Integration and Continuous Deployment, code pipelines, and/or Jenkins.
- Container technology and concepts
- Serverless architecture
- Project management
- Configuration management
- Advanced knowledge of HTML, CSS, and Javascript
- Ability to script/program in multiple languages
- Cloud Software Development Kits (SDK)
- Command line tools and workflows
- Source and version control using git
- Windows and Unix operating systems
- Effective communication, documentation, and writing skills
- Provide training (users and support personnel)

ABILITY TO:
- Plan, organize, implement, and complete complex IT cloud initiatives
- Troubleshoot and resolve complex IT cloud related issues with limited support
- Provide excellent customer service
- Work independently with little direction
- Prioritize and schedule work
- Establish and maintain cooperative and effective working relationships with others
- Communicate effectively both orally and in writing
- Learn complex new technology and adapt to changes

EDUCATION AND EXPERIENCE

Bachelor's degree and 3 years of work experience such as described in the representative duties section above.

<div align="center">**OR**</div>

Associate degree and 5 years of work experience such as described in the representative duties section above.

<div align="center">**OR**</div>

7 years of work experience such as described in the representative duties section above.

Preferred: Experience in programming languages and with cloud vendors used at District. AWS certifications.

WORKING CONDITIONS:

ENVIRONMENT:
Office environment.
Driving a vehicle to conduct work.
May include evenings or variable hours.

PHYSICAL DEMANDS:
Incorporated within one or more of the previously mentioned essential functions of this job description are essential physical requirements. The chart below indicates the percentage of time spent on each of the following essential physical requirements.

1. Seldom = Less than 25 percent
2. Occasional = 25-50 percent

3. Often = 51-75 percent
4. Very Frequent = 76 percent and above

4 a. Ability to work at a desk, conference table or in meetings of various configurations.
2 b. Ability to stand for extended periods of time.
4 c. Ability to sit for extended periods of time.
4 d. Ability to see for purposes of reading printed matter.
2 e. Ability to hear and understand speech at normal levels.
4 f. Ability to communicate so others will be able to clearly understand a normal conversation.
2 g. Ability to bend and twist.
2 h. Ability to lift 25 lbs.
2 i. Ability to carry 25 lbs.
4 j. Ability to operate office equipment, computer or related peripherals.
3 k. Ability to reach in all directions.

This job description is intended to describe the general nature and level of work being performed. It is not intended to be construed as an exhaustive list of all responsibilities, duties and skills required of individuals so classified.