

**PLANO INDEPENDENT SCHOOL DISTRICT**  
**Job Description**

<b>Job Title:</b>	Senior Cloud Engineer	<b>Wage/Hour Status:</b>	Exempt
<b>Reports To:</b>	Director of Infrastructure Services	<b>Pay Range:</b>	838
<b>Dept./School:</b>	Technology Services	<b>Date Revised:</b>	11/20/2023

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**Primary Purpose:**

This position will collaborate closely with technology counterparts, business stakeholders, and cross-functional teams to ensure the successful deployment, management, and governance of cloud-based services. This individual must possess a deep understanding of cloud technologies, DevOps practices, cloud automation, governance frameworks, and cloud security best practices.

**Qualifications:**

**Education/Certification:**

Bachelor's Degree in a technical field or equivalent experience

Industry certifications a plus

**Special Knowledge/Skills:**

Knowledge and understanding of cloud infrastructure platforms including containers, IaaS, PaaS

Knowledge and experience supporting cloud services such as Microsoft Entra ID, Kubernetes, Azure Data Factory, serverless computing, and databases

Knowledge of DevOps principles and experience with cloud automation tools like Ansible, Terraform, CloudFormation, Azure DevOps Services, etc.

Knowledge and experience designing and implementing identity and access management technologies and supporting solutions, including Entra ID, MFA, PowerShell, Python

Knowledge and experience with SAML, OAuth, OIDC, ADFS

Excellent organizational, communication, and interpersonal skills

Ability to manage multiple priorities effectively

Ability to develop and maintain effective working relationships

**Experience:**

Ten years of experience in systems engineering and enterprise architectures

Ten years of experience with Active Directory design and administration

Ten years of experience with server virtualization administration and support

**Job Title:** Senior Cloud Engineer

**Major Responsibilities and Duties:**

- Design, deploy, and maintain cloud infrastructure solutions on the Microsoft Azure Platform
- Develop and implement cloud automation strategies to streamline operational processes and enhance efficiency
- Work closely with technology teams to align cloud initiatives with overall IT strategy and architecture
- Lead the evaluation, selection, and adoption of new cloud technologies, services, and tools to enhance system performance and cost-effectiveness
- Provide expertise in cloud security and ensure the implementation of robust security controls and practices
- Design, implement, and maintain cloud-based directory services, Microsoft 365 applications, and the Google Cloud platform
- Design, develop, test, implement, and integrate identity and access management systems and solutions
- Monitor cloud infrastructure performance, availability, and capacity, and proactively identify areas for optimization and improvement
- Maintain up-to-date documentation, including diagrams, on all cloud and related on-premise infrastructure configurations, integrations, components, and processes
- Be customer service oriented and maintain a professional approach regarding all district matters
- Be adaptable and flexible in acceptance of changes in techniques and procedures
- Perform R&D and remain knowledgeable of emerging trends in technology and keep abreast of innovative practices.
- Attain and keep current, relevant technology certifications.
- Perform special projects, after-hours support and upgrades, and other duties as assigned.

**Working Conditions:**

**Mental Demands:**

Ability to communicate effectively (verbal and written); interpret policy, procedures and data; coordinate district functions; maintain emotional control under stress; work with frequent interruptions

**Physical Demands/Environmental Factors:**

Frequent districtwide and occasional statewide travel; occasional prolonged and irregular hours; frequent sitting, standing, stooping, bending, kneeling, pushing and pulling; occasional lifting up to 50 pounds; prolonged use of computer and repetitive hand motions

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**Acknowledgement:**

Any work-related experience or additional education/training resulting in acceptable proficiency levels in the above-required knowledge, skills, and abilities may be an acceptable substitute for the above-specified education and experience requirements at the sole discretion of District Administration.

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**Approved By:** W. Noel McBee, Compensation Coordinator **Date:** 11/20/2023

The above statements are intended to describe the general purpose and responsibilities assigned to this job and are not intended to represent an exhaustive list of all responsibilities, duties, and skills that may be required. District administration and/or my supervisor has the right to add or change duties at any time. This job description supersedes all prior job descriptions for this position as well as rescinding all past and present job descriptions that do not reflect the current requirements of this position.

My signature below indicates I understand and acknowledge my job description.

**Employee Signature:** \_\_\_\_\_ **Date:** \_\_\_\_\_