



LOMPEC UNIFIED SCHOOL DISTRICT

NETWORK ENGINEER

JOB SUMMARY:

Under the direction of the Director-Information Technology, perform a wide range of complex analytical, design, planning, implementation, and problem-solving tasks on large complex computer systems and networks, including mainframes, mini-computers, LANs, WANs, MANs, and the physical and logical components that integrate systems; assist in formulating recommendations consistent with directives, policies, standards, and regulations; provide technical information and recommendations; provides technical support to staff and other district personnel; provide technical direction to other department staff. Incumbents in this classification may have a primary assignment with a specialization in a specific area, such as network engineering or systems engineering.

ESSENTIAL DUTIES AND RESPONSIBILITIES:

- Plan, design, integrate, trouble shoots and test the physical and logical components of the District's LAN/WAN, including DNS and DHCP infrastructures, network and systems hardware and software, SAN, and virtual environment, that may involve the analysis and evaluation of systems software, hardware, and communications strategies for the purpose of ensuring and/or enhancing user access to district network systems and/or services to authorized users.
- Advise and assist in the development and implementation of the District's information technology plan for the purpose of responding to short and long-term administrative and instructional technology needs.
- Advise and assist in the development of policies and procedures for the purpose of providing information on the proper use of computer technology and the internet for both administrative and instructional purposes.
- Plan, implement, and maintain backup and disaster recovery procedures for large systems and networks for the purpose of ensuring rapid recovery from software or hardware problems for mission-critical systems, networks and services.
- Plan, install, troubleshoot, and maintain physical and virtual servers; ensure reliability of systems, network services and expanding the District's systems infrastructure.
- Analyze, identify, and correct technology related to software or hardware for the purpose of maintaining equipment in safe, secure, and in functional operating condition; ensure efficient operations and/or resolving operational issues and restoring services.
- Assists in researching and designing solutions in the use of new hardware or software products, such as educational applications of technology for the purpose of providing technical assistance, advice, and support.
- Determine proper software and hardware installation methods for integration and efficiency for the purpose of ensuring network connectivity and delivering services in compliance with District policies, objectives, and standards.

- Document procedures and troubleshooting techniques related to systems/networks software and hardware; develop and review documentation prior to general distribution for the purpose of providing written reference and/or conveying information.
- Monitor and maintain software licensing, documents, and records for the purpose of ensuring compliance with the District's policies and standards.
- Maintain current knowledge and framework of established procedures and adheres to appropriate policies, procedures, and guidelines; ensure the completion of assigned department projects in a timely manner.
- Plan, install, troubleshoot, and maintains the District's directory system and provide users authentication and computer management.
- Plan, install, troubleshoot, and maintains the District's management and update systems for the purpose of providing reliable support and maintenance of desktop and server operating systems.
- Serve as a liaison among vendors, technical support hotlines and departments for the purpose of resolving complex problems.
- Assists in the coordination and implementation of corrective measures that may involve site visits, telephone assistance, remote management, and participation on technical committees for the purpose of providing support and recommending procedures.

OTHER DUTIES:

- Perform related duties as assigned.

REQUIRED QUALIFICATIONS:

Education and Experience:

Any combination equivalent to: a bachelor's degree with a major in computer science, or a related field and five years of increasingly responsible experience in system or network design and maintenance.

Licenses and other Requirements

- Valid California Class C Driver's License.
- Certification/s such as CCNP, CCDP, CCIP, CCNP-Security, CCSP, MCSA, MCAD may be required depending on assignment.

Knowledge of:

- Functions of core hardware and software components that comprise a large system or network including LAN/WAN, DNS, and DHCP infrastructure, network and systems hardware and software, SAN, and virtual environments.
- Analysis and evaluation techniques to plan, design, integrate, implement, maintain, and troubleshoot large complex systems or networks across similar and dissimilar technology platforms.
- Techniques of designing systems and networks.
- Project management and project tracking.
- Database administration and development.
- Software development tools.
- Current, and emerging operating systems, network environments and protocols.

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- Router switch configurations.
- Inter/intranet applications.
- Data security.

Ability to:

- Determine the systems or networking requirements to plan for or enhance the core data processing needs for the systems or network.
- Solve problems with minimal disruption or impact to the system or network.
- Exercise judgment, decisiveness and creativity in designing, planning, troubleshooting and integration of large complex systems or networks
- Work as a team member.
- Participate in meetings.
- Understand WAN related problems within area of expertise.
- Design, implement, and troubleshoot LANs and WANs over multiple sites.
- Develop alternative solutions within established guidelines and standards.
- Communicate effectively and convey technical information to non-technical audiences.
- Establish effective working relationships.
- Prioritize workload.
- reengineer workflow for users.
- Maintain current knowledge of computer and network industry standards, industry protocols, and industry trends.

WORKING CONDITIONS:

Work Environment:

- Indoor/Office environment.
- Constant interruptions.

Physical Demands: The physical demands described here are representative of those that must be met by an employee to successfully perform the essential functions of this job. Reasonable accommodations may be made to enable individuals with disabilities to perform the essential functions.

- Hearing and speaking to exchange information.
- Seeing to read a variety of materials.
- Sitting for extended periods of time.
- Bending at the waist, kneeling, or crouching to file materials.

The information contained in this job description is for compliance with the Americans with Disabilities Act (A.D.A.) and is not an exhaustive list of the duties performed.

FLSA Status: Non-Exempt

Board Approval Date: February 14, 2023

Personnel Commission First Reading: October 20, 2022

Personnel Commission Approval Date: November 17, 2022

Salary Range: 57

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