LOMPOC UNIFIED SCHOOL DISTRICT
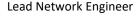
LEAD NETWORK ENGINEER

JOB SUMMARY:
Under the direction of the Director-Information Technology, lead and perform a wide range of complex analytical, design, planning, implementation, and problem-solving tasks on large complex computer systems and networks that include mainframes, mini-computers, LANs, WANs, MANs and the physical and logical components; assist in formulating recommendations consistent with directives, policies, standards and regulations; ensure the completion of assigned department projects in a timely manner; support students and teachers and ensure efficient operations; provide technical direction to subordinate network engineering personnel.

ESSENTIAL DUTIES AND RESPONSIBILITIES:
- Provide leadership to analyze, identify and correct technology related to software or hardware; maintain equipment in safe, secure and functional operating condition; ensure efficient operations and resolve operational issues to restore services.
- Manage device, virtual machine and physical servers including design, configure, deploy and correct; plan, implement and maintain backup and disaster recovery procedures for large systems and networks; ensure rapid recovery from software or hardware problems for mission-critical systems, networks and services; maintain management of storage (SAN), firewall, print server, wireless network and Cisco switches and routers, including design, configure, deploy, modify and correct as needed; make changes, manage and correct Active Directory, Google Chromebooks, Google Management Console, DHCP and DNS and MacOS laptops and desktops.
- Image computer and laptops; perform diagnostic on equipment, including computer, laptop, printer, Chromebook, Mac and iPads; perform E-Rate; plan outage for maintenance of existing equipment; develop technology upgrade path and testing of new equipment; develop activity and project schedules; coordinate delivery schedule and set priorities for new equipment deployment.
- Advise and assist in the development and implementation of the District's information technology plan; respond to short and long-term administrative and instructional technology needs; advise and assist in the development of policies and procedures; provide information on the proper use of computer technology and the internet for both administrative and instructional purposes.
- Assist in research and designing solutions in the use of new hardware or software products, such as educational applications of technology; provide technical assistance, advice, and support; determine the proper software and hardware installation methods for integration and efficiency; ensure network connectivity and deliver services in compliance with District policies, objectives and standards.
- Perform review of annual maintenance of equipment and contract renewal; work with consultants on problem diagnostics; support technical repairs on equipment; email password changes and make corrections; serve as a liaison among vendors, technical support hotlines and departments; resolve complex technical problems.
- Document procedures and troubleshooting techniques related to systems and networks software and hardware; develop and review documentation prior to general distribution; provide written reference and convey information; monitor and maintain software licensing, documents and records; ensure documentation compliance with the District's policies and standards.

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- Assist in the coordination and implementation of corrective measures that may involve site visits, telephone assistance, remote management, and participation on technical committees; respond to email communications from LUSD and school site personnel.
- Operate a variety of office equipment including a computer and assigned software; drive a vehicle to conduct work as assigned by the position.

OTHER DUTIES:

- Perform related duties as assigned.

REQUIRED QUALIFICATIONS:

Education and Experience:
Any combination equivalent to: Bachelor's degree in computer science, or a related field and/or verifiable certification/s such as CCNP, CCDP, CCIP, CCNP-Security, CCSP, MCSA, MCAD and five years of increasingly responsible experience in Information Technology.

Licenses and other Requirements
- Valid California Class C driver's license.
- Valid IT Engineer - knowledge/certification in CCNA preferred but not required.
- IT Engineer (Systems) - MCSA, MCAD preferred but not required.
- IT Engineer (Network) - CCNP, CCDP, CCNP-Security, CCSP preferred but not required.

Knowledge of:
- LAN and WAN network software and hardware configurations and enhancements.
- Network system design and implementation.
- Microsoft and other assigned servers.
- Data processing systems and procedures.
- Data communications and network protocols.
- Internetwork operating systems and configurations for switches, routers and firewalls.
- Appropriate diagnostic tools and program documentation.
- Technical aspects of field of specialty.
- Cloud based applications and services.
- Oral and written communication skills.
- Applicable sections of the State Education Code and other applicable laws.
- Interpersonal skills using tact, patience and courtesy.
- Related routing, configuration and troubleshooting methods.
- Enterprise Wireless network design and implementation.
- Network system design and implementation.
- Virtualization platforms for server and storage.
- Internetwork operating system configurations for switches, routers and firewalls.

Ability to:
- Recommend, design, install, maintain and administer LAN and WAN computer systems and peripherals.
- Install and configure a variety of microcomputer and high-speed data communications equipment.
- Develop and deliver training programs.
- Provide technical assistance to department and site personnel in the operation of business and instructional software, microcomputer hardware and peripherals.
- Analyze, troubleshoot and correct complex network protocol and data communications issues.

Lead Network Engineer

- Implement new applications and programs.
- Establish and maintain cooperative and effective working relationships with others.
- Plan and organize work.
- Work independently with little direction.
- Meet schedules and timelines.
- Learn new computer applications.

WORKING CONDITIONS:

Work Environment:
- Driving a vehicle to conduct work.
- Indoor/Outdoor environment.

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 in person or on the telephone.
- Seeing to view a computer monitor.
- Dexterity of hands and fingers to operate a computer keyboard.
- Sitting and standing for extended periods of time.
- Bending at the waist, kneeling or crouching.
- Reaching overhead, above the shoulders and horizontally.
- Lifting, carrying, pushing and pulling heavy objects.
- Climbing ladders.

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: November 17, 2022
Personnel Commission Approval: November 17, 2022
Salary Range: 59

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