

JOB DESCRIPTION

Job Title: Senior Network Engineer

FLSA Status: Exempt

Salary Grade: 10

PURPOSE OF POSITION

The Senior Network Engineer will provide hands-on solutions in the definition, development and support of the architecture and technologies supporting the enterprise.

DISTINGUISHING CHARACTERISTICS

This is the senior level of the Network Engineer series. At this level, work may be performed under limited supervision or under limited direction. Incumbent possesses considerable latitude to accomplish tasks, which may include lead worker or supervisor duties.

SUPERVISION EXERCISED AND RECEIVED

- Receives supervision from departmental management/supervisory level roles
- No formal supervisory responsibilities; may lead the work of lower-level staff

ESSENTIAL DUTIES AND RESPONSIBILITIES

The duties listed below are intended to describe the general nature and level of work being performed and are not to be interpreted as an exhaustive list of responsibilities.

- Support the Agency's technology infrastructure, including application and database servers (Wintel, Linux and AIX), storage solutions, underlying networking infrastructure and communication solutions.
- Prepare the long term and tactical planning for infrastructure capacity ensuring that capacity will meet current and future application and transaction processing requirements.
- Define strategic and tactical technology solutions, justify and implement these solutions and ensures the computing infrastructure in place is stable and available to meet the needs of the organization.
- Provide technical leadership, coaching, support and development support to internal and external technical resources.
- Develop and manage relationships with technology solution providers and controls the cost of the agency's technology infrastructure.
- Prepare technical specifications and procedures for hardware, software and network applications.
- Provide ongoing coordination in the analysis, acquisition and installation of hardware and software elements of the technical infrastructure. Define, apply and enforce standards and technology methodologies.
- Coordinate the design, administration, operations, and support of train control systems and infrastructure to achieve established availability and service levels.
- Assist in the installation and testing of new desktop components, new applications, operating systems and upgrades to ensure compatibility with overall train control networking operations.
- Plan and writes reports, memorandums, and instructional manuals as documentation of PTC operating system and application configurations.
- Assist in identifying, evaluating and managing third party vendors, technology or processes for PTC and integrating with SCRRRA technology and equipment.



- The responsibilities outlined above are representative of the role but not exhaustive. Additional duties may be assigned as needed, and reasonable accommodations will be provided to qualified individuals with disabilities in accordance with applicable laws.

MINIMUM QUALIFICATIONS

Education and Experience

- Bachelor's degree required in Computer Information Systems, Business Information Systems or a related field.
- A minimum of seven (7) years of work experience as a Network Engineer and/or Technical Architecture Engineer with both hardware and software accountability, showing increased responsibility.
- A combination of training, with a minimum of an Associate Degree and/or experience that provides the required knowledge, skills, and abilities, may be considered when determining minimum qualifications. Advanced relevant coursework may also substitute for a portion of the required experience.

Preferred Qualifications

- Cisco Certified Network Associate (CCNA) or Cisco Certified Network Professional (CCNP)

Knowledge, Skills, and Abilities

Knowledge of:

- Next Generation firewalls and management (Palo-Alto PA 3220-3230)
- Windows Server (2012-2019), Linux (Redhat-Oracle Linux), VMware(Vcenter, ESXi 6-7), Windows 10.
- Spam filtering Solutions like Proofpoint; Antivirus (Symantec SPAM, CrowdStrike).
- Networking principles, concepts, and technologies.
- Major routing protocols and when to apply them.
- Business process design, documentation and execution, conversions/interfaces, testing and successful implementation.
- Storage Area Network design and administration.
- Current network security methods, penetration testing tools, preventative methods, and countermeasures.
- Windows and Linux operating system principles.
- Principles and best practices for backup, disaster recovery and business continuity.

Skilled in:

- Office 365 products (Exchange, Sharepoint, etc.), Azure and similar Cloud technologies.
- Proficiency in Office 365 suite (Microsoft Outlook, Microsoft Office, Microsoft Excel, Microsoft Word, PowerPoint, Teams, etc.)
- Active Directory management, DNS, DHCP, Radius, Group Policy Objects, etc.
- Recognizing, troubleshooting, and resolving technical and/or operational issues as related to infrastructure.
- Organization, multi-tasking, and effective time management.

Ability to:

- Translate functional requirements into technical solutions, establish formal support and performance agreements and plans, and meet business objectives through the implementation and support of appropriate technical solutions.



- Provide prompt and courteous responses to customer inquiries and suggestions and solve practical to complex technical problems.
- Work successfully in a high-pressure work environment.
- Gather, assess, prioritize and analyze information from various sources in order to make good operational decisions for PTC.
- Work both independently and within multidisciplinary teams including management, operations, and technical support staff.
- Create effective reports and presentations.

PHYSICAL REQUIREMENTS

- Transition between a stationary position at a desk or work location and move about Metrolink facilities or other work site locations
- Operate tools to perform the duties of the position, such as computers, office equipment, and work-related machinery
- Transport equipment or boxes up to 25 lbs
- Exchange ideas by means of communication
- Visual acuity to detect, identify, and observe employees or train movement and any barriers to movement when working on or near railroad tracks
- Hear and perceive the nature of sounds when working on or near railroad tracks
- Balance, ascend/descend, climb, kneel, stoop, bend, crouch, or crawl within assigned working conditions and or locations

Working Conditions

Position requires work in a normal office environment with little exposure to excessive noise, dust, or temperature. Work may also be conducted in outdoor environments, at construction sites, Railroad Track and Right-of-Way environments, and warehouse environments, with possible exposure to individuals who are hostile or irate, moving mechanical parts, and loud noises (85+ decibels, such as heavy trucks, construction, etc.)

Southern California Regional Rail Authority is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the Authority will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.

Last Updated: November 2025

