



**St. Lucie County Sheriff's Office
Job Description**

NETWORK ENGINEER / SECURITY ANALYST

Job Code - 1210

General Description of Duties

The Network Engineer role is responsible for maintaining and administering and protecting the computer networks for the St. Lucie County Sheriff's Office. The primary duties include maintenance of computer networks, hardware, , and other related systems, performing disaster recovery operations, protecting data, software, and hardware from attacks, and replacing faulty network hardware components when necessary. This position also works closely with the users of the network in order to identify potential issues and fix existing problems. A strong understanding of network infrastructure and network hardware is necessary, as well as the ability to implement, administer, and troubleshoot network devices including WAPs, firewall, routers, and switches. A deep knowledge of application transport and network infrastructure protocols is highly desired.

SPECIFIC DUTIES AND RESPONSIBILITIES

Essential Functions

Maintaining and administering computer networks and related computing environments including systems software, applications software, hardware, and configurations.

Performing disaster recovery operations and data backups when required.

Protecting data, software, and hardware by coordinating, planning and implementing network security measures.

Troubleshooting, diagnosing and resolving hardware, software, and other network and system problems.

Replacing faulty network hardware components when required.

Maintaining, configuring, and monitoring virus protection software and email applications.

Monitoring network performance to determine if adjustments need to be made.

Conferring with network users about solving existing system problems.

Coordinating computer network access and use.

Designing, configuring and testing networking software, computer hardware, and operating system software.

Conduct periodic network monitoring and intrusion detection analysis to determine if there have been any attacks on the system. Analyze network traffic to identify anomalies and test the information security controls for weaknesses.

Take mitigating actions to contain activity and minimize damage if malicious activity has been detected in the system. May also facilitate forensics analysis to determine in the source of the threat.

Design and implement new safeguards to protect the system; work with other IT teams to implement new safeguards whether in the form of software, hardware, or new operating procedures.

Work with stakeholders at all levels of the organization to communicate the state of information security, inform of possible risks, and suggest ways to improve security.

Stay on top of emergency threats and vulnerabilities in IT security. Conduct research and attend conferences, professional meetings and technical symposia to gain awareness of latest information security technological developments.

Network security policy and enforcement.

Additional Functions

Any other functions as requested by the IT manager or other senior staff.

Ability to conduct research into a wide range of computing issues as required.

Ability to absorb and retain information quickly.

Ability to present ideas in user-friendly language.

Highly self-motivated and directed.

Keen attention to detail.

Proven analytical and problem-solving abilities.

Ability to effectively prioritize and execute tasks in a high-pressure environment.

Strong understanding of network infrastructure and network hardware.

Ability to think through problems and visualize solutions.

Ability to implement, administer, and troubleshoot network infrastructure.

Knowledge of application transport and network infrastructure protocols.

Ability to create accurate network diagrams and documentation for design and planning network communication systems.

Provides specific detailed information for hardware and software selection.

Ability to quickly learn new or unfamiliar technology and products.

A self-starter, able to work independently but comfortable working in a team environment.

Dependable and flexible when necessary.

Exceptional customer service orientation.

Experience working in a team-oriented, collaborative environment.

MINIMUM TRAINING AND EXPERIENCE

Bachelor degree in Information Technology related field of study with a network engineering focus or Associates degree with minimum 2 years of commensurate experience.

Network security experience.

Security certification preferred.

Exceptional written and oral communication skills. Fluent English language. Exceptional interpersonal skills, with a focus on rapport-building, listening and questioning skills. Strong documentation skills.

Must pass a comprehensive background/character investigation, medical examination, drug screening, and polygraph test; fingerprinting will be required.

ADA COMPLIANCE

Physical Ability: Tasks involve the ability to exert light physical effort in sedentary to light work, but which may involve some lifting, carrying, pushing and/or pulling of objects and materials of light weight (5-10 pounds). Tasks may involve extended periods at a keyboard or workstation.

Sensory Requirements: Some tasks require visual perception and discrimination; the senses of vision: (perceiving movement, depth of field, discerning most colors). Hearings of detection, finger dexterity is required for the successful performance of all job functions.

Environmental Factors: Tasks are regularly performed without exposure to adverse environmental conditions, such as dirt, dust, pollen, odors, wetness, humidity, rain, fumes, temperature and noise extremes, machinery, vibrations, electric currents, traffic hazards, animals/wildlife, toxic/poisonous agents, violence, disease, or pathogenic substances. Tasks are regularly performed in a corrections environment where proper provisions are in place in terms of employee security and protection.

The St. Lucie County Sheriff's Office is an Equal Opportunity Employer. In compliance with the Americans with Disabilities Act, the Sheriff's Office will provide reasonable accommodations to qualified individuals with disabilities and encourages both prospective and current employees to discuss potential accommodations with the employer.