



International Community School, Bangkok

NETWORK AND SECURITY ENGINEER

Position Title: Network and Security Engineer

Reports to: IT Director

Works with:

Internal: IT Engineer, Faculty and Staff

Supervises: None

Job Summary:

The main purpose of this role is to design and implement the installation of network devices including routers and switches as well as supporting services such as DNS, DHCP, Firewalls, Intruder Prevention systems and Proxy servers.

Person Specification:

1. A born again believer who is an active member of an evangelical church.
2. Demonstrates the qualities of enthusiasm, courtesy, flexibility, integrity, kindness, self-control, perseverance, and punctuality and particularly problem solving attitude and skills.
3. Possess an aptitude and desire to work within the administrative framework of the school
4. Maintains confidentiality in dealing with all matters

Qualifications and Experience:

1. Bachelor's degree in Computer Science, Information Technology or similar.
2. Windows, Cisco Systems, UNIX
3. Switches, Routers, Hubs, Servers, Cables, Racks, Firewalls, LAN, WAN, TCP/IP, DNS, UDP, Latency, VoIP, QoS, EIGRP, BGP, OSPF, NHRP, ATM, PPP, MPLS

Responsibilities:

- Design and implement networks including physical connections, layer 2 topologies and layer 3 topologies.
- Design and implement DNS, DHCP, Firewalls, Intruder Prevention systems and Proxy server support.
- Monitors system performance and implements performance tuning.
- Ensure network designs will comply with Service Level Agreements.
- Promote and adhere to network design standards
- Design and implement Quality of Service (QOS) policies.
- Upgrade and replace network hardware where appropriate.
- Install all new hardware, systems, and software for networks.
- Install, configure, maintain network services, equipment and devices.

- Manages all system back-up and restore protocol.
- Plans and supports network and computing infrastructure.
- Perform troubleshooting analysis of servers, workstations and associated systems.
- Documents network problems and resolution for future reference.
- Oversee software and network security.

Knowledge, skills and abilities:

Proficient knowledge:

- Demonstrated knowledge and experience designing and implementing layer 3 routing protocols (static, OSPF, BGP)
- Demonstrated knowledge and experience designing and implementing layer 2 protocols (802.1q, Spanning Tree, GRE tunnels)
- Demonstrated knowledge and experience designing and implementing load balancing and high availability protocols (HSRP, VRRP, LACP)
- Knowledge of Cisco routers and switches.
- Knowledge and understanding of network services DNS, DHCP, Firewalls, IPS and Proxy Servers.
- Knowledge of network performance metrics.
- Demonstrated knowledge of Quality of Service
- Requires a thorough knowledge of networking essentials.
- Demonstrated experience working with network hardware vendors and carrier engineers.

Skills:

- Good command in English both spoken and written
- Strong analytical abilities and professional office experience needed.

Terms of Employment:

The length of contract and compensation will be in accordance with established policy.

Remuneration:

In accordance with the school policy for qualifications, experience and job responsibility.

Evaluation:

In accordance with the established procedures.