Asst. Manager (Technical Officer), Data Center IT system,
Network Firewall and Cloud
Singapore Institute of Technology

Job Title	Asst. Manager (Technical Officer), Data Center IT system, Network Firewall and Cloud
Department	Professional Officers
Institution	Singapore Institute of Technology
	Singapore, , Singapore
Date Posted	Mar. 26, 2025
Application Deadline	Open until filled
Position Start Date	Available immediately
Job Categories	Other Administrative Categories
Academic Field(s)	Computing/Informational Services
Job Website	https://careers.singaporetech.edu.sg/cw/en/job/498888/asst-manager-technical-officer-data-center-it-system-network-firewall-and-cloud
Apply By Email	
Job Description	

Asst. Manager (Technical Officer), Data Center IT system, Network Firewall and Cloud

Job no: 498888
Department: Professional Officers
Contract type: Contract
Apply now

Asst. Manager (Technical Officer), Data Center IT system, Network Firewall and Cloud
Singapore Institute of Technology

At SIT's Professional Officers Division, we bring our rich industry experience and technical skills into our work, creating a better physical environment where learning and innovation take place.

We work with teaching programmes and innovation projects to improve the skills of our students and strengthen and energise our industry and the wider community.

We are seeking for IT professionals as a Data center Network Engineer to support and provide technical competency in Network and System infrastructure and manage all infrastructure related equipment including switches, router, firewall, wireless, SDN, VPN, security appliance SIEM, Load balancers, Cloud VM instance, SSL and VM servers.

Key Responsibilities:

- Network Implementation & Optimization - Plan, configure, debug, and enhance network solutions for optimal performance.
- Project & Vendor Management - Handle networking projects and coordinate with vendors for installations and maintenance. (Huawei, Aruba, Cisco, SDN, and Cloud technologies.)
- Network Administration - Maintain and optimize WAN, LAN, Wi-Fi, and security configurations.
- Troubleshooting & Issue Resolution - Diagnose and resolve network, security, and capacity-related problems.
- Technical Consultation - Provide expertise on DNS, DHCP, VPN, IP management, virtualization, and network security.
- Documentation & Compliance - Maintain network configurations, diagrams, firmware updates, and audit reports.
- Data Center Operations - Allocate rack space, power, cooling, and oversee equipment installations.
- Equipment & Asset Management - Conduct inspections, decommission outdated hardware, and track inventory.
- Cross-Team Collaboration - Work with internal teams to support hardware and software upgrades.
- Administrative & Support Tasks - Perform operational duties and ensure compliance with data center best practices.

Asst. Manager (Technical Officer), Data Center IT system,
Network Firewall and Cloud
Singapore Institute of Technology

Job Requirements:

- **Educational Qualifications:** A Diploma, Bachelor's degree, or higher in Computer Science, Information Technology, Electrical Engineering, or any other relevant field.
- **Certifications:** Cisco Certified Network Professional (CCNP), Huawei Certified ICT Professional (HW ICTP), or HPE Aruba Network Certified Professional or Palo Alto Firewall with at least 3-5 years of experience in an ISP environment. ITIL certification is a plus.
- **Technical Skills:**
  - Proficient in network and security technical area, In-depth understanding and practical knowledge of networking and security systems such as WAN, LAN, router, and firewalls.
  - Provide technical support and consultation, conduct procurement and perform project management activities for enhancement and the change in Network and Security configuration.
  - Administer, monitor, maintain and optimize WAN, LAN and Wi-Fi networks for optimal performance and maximum availability.
  - Respond to production issues speedily, including bringing up the defective hardware during and after office hours.
  - Take the lead in managing and resolving the firewall configuration, network configuration, firmware patching as well as updating and documenting network diagrams.
  - Ability to design, implement and troubleshoot Wi-FI and security infrastructure.
  - Ability to analyse and evaluate networks, identify issues and provide solutions to ensure networks are operating efficiently.
  - Ability to work independently and under pressure with tight deadlines.
  - Ability to configure, troubleshoot and resolve any issues within network and security areas, including change request, performance and capacity issues.
  - Effective communication skills and the ability to work with minimal direction or supervision for day-to-day tasks.
- **Experiences:**
  - At least 3-5 years of experiences in a technical support environment working with Huawei, Cisco, Palo Alto, and Aruba products.
  - Familiar with HVAC/CRAC, UPS, Battery, and Generator systems is a plus.
  - Knowledge of Aruba, AWS, Checkpoint, Palo Alto, Fortigate products is advantageous.
  - Technical know-how and practical competencies in hybrid infrastructure and cloud technology to administer enterprise-level systems.
  - Familiar with Switch, Router, Huawei Wireless products, Aruba ClearPass, and Wireless/SDN products, IP address management, IAM and PAM.

Asst. Manager (Technical Officer), Data Center IT system, Network Firewall and Cloud
Singapore Institute of Technology

- Familiar with Network Monitoring such as Solarwind NPM, NCM, NTA, SAM, VMAN and Syslog.
- Familiar with basic Windows Server, Linux, and VMWare operating systems.

Apply now
Advertised: 26 Mar 2025 Singapore Standard Time
Applications close: 25 Sep 2025 Singapore Standard Time

Contact Information

Contact

Singapore