

Alan Guerrero

Senior Network Engineer

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Profile

Highly skilled and qualified Network Engineer with 7+ years of experience at Designing, Installing, configuring and maintaining communication networks and network security. Guarantee the quality of service delivered by adhering to implementation guidelines, processes and procedures. Deep knowledge about Cloud Computing with 2+ years of experience in network virtualization and IaaS, PaaS.

Professional Experience

02/2021 – 05/2023

Grosvenor Rd,
Ripley DE5 3JE, UK

Senior Network Engineer, JHC Security LTD

- Worked closely and collaborated with the leadership team to improve wired/wireless network infrastructure, resulting in improved uptime of 99.99%
- Implemented the private cloud services - IaaS, PaaS using OpenStack, OpenShift(Docker, Kubernetes)
- Improved the troubleshooting/monitoring process for LAN activities, increasing the up-time by 27%.
- Built documentation for processes/infrastructure, reducing 2 days of onboarding for new network engineer.
- Led sessions to instruct engineers on the best practices around switching, routing, DNS and IP addressing.
- **Skills:**
 - Cloud infrastructure: KVM, OpenStack, OpenShift.
 - Network technology: VLAN, VXLAN config, OpenvSwitch, OpenBridge, OpenShift SDN, virtualization

08/2019 – 02/2021

Marina Boulevard,
Singapore

Junior Network Engineer, Capgemini Singapore Pte. Ltd.

- Built relationships with 6 client stakeholders, quickly troubleshooting all network problems they encountered.
- Recommended network changed to support specific client needs, resulting in speed improvements of 27%.
- Developed the foggy MPLS VPN using OpenVPN.
- Implemented NIDS and HIDS and SSO for company.
- Implemented Load Balancer using Nginx.
- Familiar with database management and design, including SQL, NoSQL, and ORM technologies such as MySQL, PostgreSQL, MongoDB, and Hibernate.
- Configure and manage all network components within the network virtualization infrastructure using VMWare and VSphere.
- **Skills:**
 - Network infrastructure: network hardware and infrastructure such as routers, hubs, servers, VPNs, and switches
 - OpenSource: Snort, Ossec, OpenVPN, IPSec, vSphere, pfsense, Prometheus, Alert manager, PowerShell, Keycloak, CPE router.
 - Services: AD/DNS, DHCP, iSCSI, VPN using WinServer, Linux

08/2016 – 08/2019

Mapletree Business
city, Singapore

Network Engineer, Terato Tech

- Drove operational improvements, increasing efficiency and productivity by 11% year-over-year.
- Led a team of 2 full-time employees and 1 contractor
- Implemented regular alerting and monitoring of network performance, which reduced network downtime by 11%.

- Worked with 17 new clients to build robust firewalls using pfsense.
- **Skills:**
 - network infrastructure, network protocols: HTTP, DHCP, FTP, TCP/UDP, ICMP, IGMP, ARP, BGP, OSPF

Skills

Network Infrastructure

TCP/IP suite, Protocols



Network equipment

Hub, 2 or 3 Switch, Router, Firewall(Cisco)



Information Security

Network security, Cryptography



OpenSource

Snort, Ossec, OpenVPN, IPSec, OpenSSL, vSphere, pfsense, Prometheus, Alert manager, PowerShell, Keycloak, Nginx



Cryptography

Symmetric Cryptography, Public Cryptography, Digital Signature, Authentication, Attack methods



Network Security

HIDS, NIDS, FIREWALL, VPN, NAT



Cloud Services

OpenStack, OpenShift(Docker, Kubernetes), Virtualization



OS

WinServer, Linux(CentOS, Ubuntu), VMWare



Language

Python, Node, MySQL, MongoDB



Education

08/2011 – 08/2016

Bachelor's degree of Computer Science, University of Southern California

California,

United States