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PROFESSIONAL SUMMARY

Self-motivated, competent and qualified Network & Security Engineer with nearly 13 years of progressive experience. Broad and comprehensive knowledge in design, Implementation, administration and support of IT networks involving different vendors. In-depth knowledge of deploying IP wired and wireless networks, troubleshooting and packet analysis. Well experienced in switching, routing, and network security using Cisco technologies but not limited to Cisco. A great team player with a proven track record of technically leading teams. Competent in handling problems and passionate about my work.

QUALIFICATION AND TRAINING

CCNP	Certified -Expired
CCNA	Certified -Renewed (December 2018)
Allied Telesis	Certified
ENA	Certified Extreme Networks Associates
ECDP	Certified Extreme Networks Design Professional
ECSP	Certified Extreme Certified Sales Professional
Meru Wireless Certified Professional	
RCNA	Rockus Certified Wireless Networks Associate
MCSA	Experience
CCSA	Experience
PCNSE	Experience
Cisco Wireless	Experience
Extricom Wireless	Certified
Aruba Wireless	Experience
ITIL foundation	Certified
CCSA	Certified Sonicwall security Administrator
CCSP	Certified Sonicwall security Professional

MSC Networks & Information Security- 2016/17 (Kingston University London)

KEY SKILLS & EXPERIENCE

Networks & Information Security: Theoretical and working knowledge of Assymetric and Symmetric encryptions, Hash functions, PKI and Ciphers in general.

Knowledge of Security risk assesement frameworks such as OCTAVE, RMF-NIST and STRIDE. Good understanding of CVSS (Common Vulnerability Scoring System) and security standards such as ISO2700 series.

Good knowledge of Cyber security and security in general, especially in the context of Networks and Information.

Good knowledge and understanding of vulnerabilities management, risk management and controls to mitigate them.

Theoretical and working knowledge of security protocols such as SSL/TLS, IPSec etc.

Knowledge of security attacks and different types of it, as well as common threats to network and information security.

Theoretical and working knowledge of IDS, IPS and firewalling technologies.

Good understanding and practical experiene generating CSRs using OpenSSL, Windows Servers, Microsoft CA, Load balancers. Purchasing SSL certificates including extended validation ones and then its installation for various purposes.

Good understanding of security vulnerabilty scans.

Experienced in using Logrhythm (SIEM), Qualys vulnerability management, Safend, Sophos, Varonis and Forcepoint(Websense) Proxies.

Wireless :Experienced in design, configuration and implentation of Cisco5700, 5508 and 4402 wireless LAN controllers with Cisco Aironet Access points. Configuration of Mobility groups, implentation of 802.1x. Spectrum analysis, using

AirMagnet Pro 2.4/5GHz for spectrum analysis, Passive and active wireless survey and generating heatmaps with Airmagnet pro. Troubleshooting Wireless networks using WiSpy DBX. Design and installation of Meru, Cisco, Aruba, Extricom and Ruckus wireless networks. Configuration design and alignment of Bridgewave 1Gbps links. Configuration and Silvernet 100Mbps links.

Routing: Experienced in design and configuration of static routing, EIGRP, OSPF and RIP on enterprise level. This includes advance features such as redistribution, filtering, summarisation and PBRs. Troubleshooting and configuration of BGP this include prefix lists and redistribution. Good experience of HSRP, VRRP, GLBP and other layer 3 technologies.

Switching: Experienced in configuration, design, spec'ing, installations and technically supporting Cisco 6500 series, Cisco Nexus series including fabric extenders and N1000V, Cisco 4500, Cisco 3850, Cisco 3750, Cisco 3560, Cisco 2960 series switches. Similar experience with other vendors such as Extreme Networks, Allied Telesis and HP.

SDN: Currently studying.

Layer 2 protocols: Experienced in configuration and design of VTP, STP, RSTP, MSTP, PVSTP, Q-in-Q tunnelling, VPC, Ether channels, DTP and other protocols.

Checkpoint Firewalls: Experienced in R76 and R77 Firewalls (Gaia) administration, firmware upgrades and new installations. Experience of using Smart tracker and Smart View monitor, Smart updates, traffic and log monitoring, rules additions and removal, NAT and Hide NAT configurations.

Cisco Firewalls: Experienced in design, installation and configuration of Cisco ASA 5505, 5510, 5512-X, 5520/5-x, 5545, 5550s, 5585s, ASAs with Firepowers, FWSMs and ASASMs including multi-context configurations, network address translation (NAT, global, static), ACL, Routing, object groups, VLANs, AAA, site-to-site and remote access VPN, DHCP, Filtering.

PaloAlto firewalls: Experienced in design, installation, administration of PA2050 and PA850 firewalls in Vwire mode and normal routed/firewall mode. Experienced in using Panorama centralised management for PaloAlto.

Load Balancers: Experienced in design, new build and administration of Riverbed/Brocade VTMs, F5 LTMs and GTMs. I also have some exposure to Coyote and Citrix Netscalers load balancers.

AAA: Experienced in managing Cisco ACS V4.5 upto V5.8 for TACACS and 802.1x. Experienced in administration of Cisco ISE.

Network Monitoring and Management: Experienced in design, configuration and installation of Solarwinds Orion NPM, NCM, NTA and IPAM and along with day to day management. SNMP v2 and v3 configurations on network devices including configuration of traps, netflow, SPAN etc.

Other Softwares/Operating Systems: Experienced in installation and configuration of different Windows servers ranging from 2003 upto 2012R2 in physical and virtual environment. Experienced in using features such Active Directory, NPS (previously Radius), DHCP, DNS, Event viewer. Experienced in installation, configuration, management of virtual machines either windows or Linux on ESXi platforms.

EXPERIENCE

06/05/2019-Present Hitachi Capital UK (NMUK)

Description: Senior Network Engineer

This is a contract role and my primary goal is to work as a lead engineer on some very fast paced and complex projects, that entail new financial application and DC migration. Here is a brief summary of my day to day duties:

- A complete end to end network design and configuration of new applications and web services with cross DC failover.
- Creating low level design documentation.
- Configuration of F5 LTM and GTM.
- Management and configuration of F5 Silverline proxies, WAF and DDoS profiles including management of SSL certificates
- Installation of access and NAT policies and investigations on Checkpoint and ASA firewalls.
- Updating static and EIGRP routing across various firewalls, Routers and N7K L3 switches.
- Creating various and different types of DNS records on Infoblox for the new applications and webservices.
- Allocation and designing appropriate virtual IP for F5 ADC through IPAM InfloBox.
- Creating advanced rules and Debugging when required.

- Creating custom profiles, health monitors, SNAT pools and also setting up syslog and SNMP.
- Creation and installation of 3rd party and internally signed SSL certificates.
- Helping Hitachi with their DC migration which entails installation and configuration of new hardware.
- Helping Hitachi with the design and configuration of new OTV solution.
- Other tasks were: firmware upgrade of N7K switches, ASA firewalls, Cisco WLCs and helping with the installation of Cisco Firepower firewalls.
- Helping with BAU in spare time.

03/09/2018-05/05/2019 Nissan UK (NMUK)

Description: Senior Network Engineer

This was a short term contract and my role entailed a mix of project and BAU work. As part of a team over different countries, I was responsible for the support of Nissan's global network that is spread over Europe, Middle East, China, Japan, Russia, USA and many other countries. Another part of my role was to lead certain aspects of the migration of DC from UK to Paris.

In addition to this my job entailed the following:

- Administration and support of the Cisco ASA and Palo Alto firewalls.
- IPsec VPN setups on Cisco 3825 routers and ASA firewalls.
- Managed F5 load balancers (mainly BIG-IP 2000) i.e. published new services, addition/removal of nodes and troubleshooting.
- Built, designed, managed and upgraded firmware of Palo Alto, Cisco ASA firewalls and other network devices.
- Used firewall GUI and Panorama for Palo Alto firewalls management and CLI for Cisco ASAs.
- Technical support of Cisco Wireless and Wired network.
- Lead my team to migrate Site to site VPN firewalls, load balancers, internet break outs and other critical services to a new DC.
- Arranged outage windows, arranged meeting with different teams in the business to arrange resource and agree a plan.
- Designed and configured new networks in Italy, Russia and UAE as part of my role.
- Other duties included helping junior team members with their work, capacity planning using various tools such as Solarwinds, MRTG etc. and documentation.
- Supported Nissan WAN and LAN at each site which included Cisco N7ks, N5ks, Cisco 6500 series, 4500 series switches, Cisco 3850, 3750, 3560, 2960, Cisco ASAs, FWSM, ASASMs, Cisco 1941, 2825 and other routers
- Worked with various 3rd parties including support providers.

25/11/2014-31/08/2018 Provident Financial Group, Bradford

Description: Technical Services Network and Comms Specialist / Tech Lead

My job was to look after the health of the entire Provident Financial network infrastructure and ensure maintenance as a collective team of engineers. One of the tasks was to upgrade all the Riverbed/Brocade VTMs (Load balancers). Provided my expertise and help with the implementation and design of the new Cisco wireless network and performed firmware upgrades. I have designed and deployed network for new sites, including creating LLDs for various new services and networks. I have also designed, upgraded and configured the Solarwinds monitoring system which is now used by different teams for monitoring, configuration backups and configuration jobs. Being the most senior engineer in my team, I have led my team on different projects and I have also helped them with their day to day issues. I have also managed my team rota and provided weekly reports to my manager regarding individual colleagues' progress on their priorities.

In addition to this my job entailed the following:

- I was responsible for making day to day BAU changes, worked on incidents and problem records.
- Attended CAB and weekly incident review meetings to provide Networks take on major changes when required.
- One of the main parts of my role was to manage vulnerabilities and patch management.
- Worked closely with Security Operations in carrying out penetration testing.
- Forensics of security incidents by examining debug outputs, logs and show commands on switches, routers, SIEM (Logrhythm) and firewalls.
- Worked with capacity planning managers to plan for future requirements.
- Trained junior engineers and created configuration control documents.
- Planned and upgraded firmwares of our Cisco Switches, Firewalls, Riverbed/Brocade Loadbalancers.
- Maintenance and administration of Cisco 4948, Cisco 3850, Cisco 6509, Cisco N5k, N2k, Cisco 3750, and Nexus 1000V switches, Cisco ISE (Identity Services Engine), Cisco ACS, Cisco FWSMs, Cisco ASA 5512x, Cisco 5520, Cisco 5585, Cisco ASAs with Firepower, Fortigate firewalls and Dell NSA Series Sonicwall Firewalls,
- Designed and implemented changes on our Riverbed/Brocade loadbalancers for new web services presentation and other traffic.

- Worked with developers, platform teams and testers in implementation of new services until a service finally went live. These can be a new server, networks equipments, a mobile application and a website.
- Worked on EIGRP and OSPF routing protocols.
- Worked on 3rd party MPLS WAN providing connectivity to more than 300 PFG branch offices.
- Configured Cisco S2S Ipsec VPNs, Cisco IPSEC remote access VPNs with Dynamic Access policies and SSL VPN.
- Deployed 802.1x authentications schemes throughout the network for Wired and Wireless users. Initially using Cisco ACS then migrating it to Cisco ISE.
- Worked with other colleagues for troubleshooting and designing new services.
- Worked on Vmware i.e. creating new VMs for our virtual networks equipment such as load balancers, servers that host monitoring applications and Virtual switches (Nexus 1000V).
- I was responsible for purchasing, renewing and installation of third party SSL certificates i.e. Comodo and Symantec etc.
- Worked with PFG governance in Disaster Recovery (DR) testing and fix any issues highlighted in the session.
- Working with third parties that hosts PFG domains, websites front ends. Also worked with other 3rd parties such as internet and WAN link providers as well as our DC provider.
- A named person for managing PFG domain with Netnames and CSCglobal i.e. creating A Records, Cnames, MX , SPF and TXT records etc.
- Experience in the following areas of Azure:
 - Set up of VNets.
 - Set up and managed Riverbed/Brocade Load balancers.
 - Set up and managed NSGs.
 - Set up different types of VPNs.
 - Set up of express routes.

27/08/2013-11/2014 Communis PLC, Leeds

Description: Implementation Engineer

My job was to work with the implementations manager to deploy IT Services and solutions in an efficient and cost effective manner. I had to ensure that solution designs are fully understood. Solutions are implemented and organised correctly and efficiently handed over to IT Operations. I had been working on a range of projects that included connecting new customers such as Lloyds, Barclays, P&G. I provided connectivity to our staff at our customer sites based in many cities this also included travelling to other countries. Another important part of my role was upgrading our LAN and WAN network including major design changes. Also I managed our racks/kit in the Sunguard Data Centres.

- Worked with the Implementations manager to review service designs and prepare implementation plans.
- Installed and configured pilots or proof of concepts as necessary.
- Followed standard policies and procedures, to deploy solutions as per the implementation plan and communicate progress to the Implementation Manager.
- Informed IT Operations of any system or procedural flaws discovered during day-to-day activities.
- Lead projects from order to delivery of a new network.
- Installed new MPLS, ADSL, SDSL, EFM lines including design, configuration and pricing.
- Worked with different providers i.e. Verizon, BT, Vodafone, Virgin Media and in most projects I was the main point of contact.
- Liaised with IT Operations to ensure on-going support requirements are understood. Identified and assisted with any knowledge gaps within the Infrastructure Team.
- Designed, Installed and configured Cisco Nexus 5k series and 2k fabric extender switches including VPC.
- Designed, Installed and configured Cisco 3750, 2960 series switches.
- Designed, Installed and configured Cisco 880 series routers, cisco 2900 and 3900 series routers.
- Configured QOS for VOIP.
- Designed and configured dynamic routing i.e. OSPF and EIGRP. Carried out basic configuration of BGP when required and troubleshooting issues.
- Designed, Installed and configured Cisco ASA firewalls from the scratch.
- Designed and configured site-to-site VPN tunnels and Remote Access VPN using IPSEC and SSL.
- Documented, added and removed access rules and NATs.
- Designed, configured and managed Checkpoint firewalls.
- Used Smart Tracker and command line for troubleshooting and monitoring.
- Centralization of Cisco admin authentication using Microsoft Radius.
- Designed and installed Cisco Wireless network for the entire Communis estate from the scratch.
- Surveyed all the potential sites for wireless network i.e. created Heatmaps and carried out Spectrum Analysis.
- Used Microsoft Radius (802.1x) for wireless clients Authentication.
- Management of Microsoft Active Directory i.e. addition/deletion of users and groups.

01/2012- 08/ 2013 Express Data LTD, Leeds

Description: Technical Engineer

My role at Express Data entailed building a Network Monitoring Centre for Express Data Ltd. This included liaising with the service providers for the MPLS Lease line and MPLS Adsl tails on customer ends, Purchase and configuration of the monitoring(Orion Solarwinds) and helpdesk softwares. Created an organisational structure and standardised procedural documentation. This also included the configuration and designing of the network.

In addition to this my job also involved the following:-

- Being the senior technical engineer for expressdata my job was to meet potential customers and provide them with consultancy.
- Technically lead and delivered both corporate and client projects to a high standard.
- I was the main point of contact for our customers incase of any fault or any technical queries.
- Technical review and sign-off of solutions and designs.
- 3rd line support of the corporate networks, resolved incidents within SLA defined time frames.
- Liaised with 3rd party support providers to rectify service issues.
- Prepared proposals for our customers, with the right equipment which included getting quotes from the resellers.
- Configured and designed Cisco 5508 and 4400 series Wireless LAN controllers, Aironet Access Points, 802.1x authentication configuration, mobility groups configuration and redundancy setup.
- Worked closely with project managers and 3rd party suppliers to ensure, on time delivery of an up and running network, advised and suggested on different matters to save time and money.
- Installed and configured Allied telesis, Extreme and Cisco Networks.
- Carried out post and pre-installation surveys, spectrum analysis, design, installation, configuration, documentation and trained staff on Ruckus, Meru, Extricom and Cisco Wireless Networks.
- Used Pre-shared key to 802.1x for Authentication for all the above wireless solutions.
- Designed and installed BOYD wireless solutions with Meru and Ruckus.
- Designed, installed and configured Aruba wireless networks.
- Installed and managed different firewalls.
- Configured and managed checkpoint firewalls R75 and R76 on OS. SPLAT and Gaia.
- Configured and installed Cisco ASA firewalls including upgrading their firmwares, addition and removal of rules and NATs.
- Troubleshooting problems on the routed/switched wired and wireless networks.
- Configured of remote Access VPN's on various Cisco Platforms.
- Dealt with all the 3rd line support calls that ranged from switching, routing, firewalls, wireless and voice systems.
- Designed and configured Solarwinds NPM, NCM and NTA from scratch.

01/2009-12/2011 IT Prophets LTD, LONDON

Description: 3rd Line Network Engineer

Initially I started as a 2nd line engineer but soon promoted to 3rd line. My job was to maintain support and analyze networks for Local Councils, Schools and Corporate sector. In a team of 14 my duties included the following:

- I have been troubleshooting incidents and escalation to 3rd line and implementing changes on switches, routers and firewalls.
- Configured and designed OSPF as part of a team using OSPF multi-areas, summarisation and redistribution.
- Upgraded switches at the core and distribution layer of the network that included Cisco 6500 and Cisco 4500 in a limited outage window.
- Designed IP addressing schemes using VLSM. Implementation of VLANs, VTP and STP.
- Worked with my team towards creating an efficient network and intranet that can handle company needs.
- Trained new members of the team and shared knowledge on the projects, incidents and changes.
- Installed and rolled out new hardware, software and configuration of firewalls, routers, switches, and user account administration of customer equipment.
- Provided 3rd line support on all issues regarding routing, switching, firewalls and network monitoring tools.
- Packet analysis using various methods for troubleshooting complex issues.
- Firmware/IOS upgrade of different network devices i.e. switches, routers, firewalls and WLCs.
- Configured QoS and made sure network is ready for VOIP rollout.
- Created new VPN connections from customers sites to their 3rd parties and branch sites.
- Maintained and recorded any changes to customers network and made sure the team and customers are in sync.
- Investigated routing, switching and firewall issues e.g. OSPF and EIGRP connectivity between routers.

03/2008-12/2008 AT&T, Birmingham

Description: 2nd Line Network Engineer

09/2007-02/2008 Thomson Reuters, London

Description: Junior Network Engineer

HOBBIES AND INTERESTS

I enjoy reading, especially computing, history and literature. I am skilled in different IT software: Orion Solarwinds, Scrutinizer, Remedy, Windows Microsoft, MS Visio, VMware, ESXI, VSphere, Excel and Word, Adobe, Dreamweaver and Flash. Furthermore, I enjoy experimenting and creating different IT networks to practice and widen my knowledge in this area. In my recreational time I regularly attend the gym and play Cricket, Badminton to keep fit.

REFERENCES

Available on request