KEITH WOUK

SUMMARY _____

- Ability to work in a fast paced environment, fast learner
- Excellent Verbal and Written communication skills
- Willing to accept and be accountable for Complex projects and initiatives
- Passionate about technology and committed to continuous learning
- Proficient in Windows OS's (XP, Vista, W7 – Server 2003 Server 2008) & Linux systems (Red Hat, Ubuntu)
- Strong knowledge of TCP/IP, LAN and WAN technologies[Ethernet, MPLS), EGIRP, OSPF, BGP, Multicast, IPV6, QOS, VOIP, VPN and Security Practices
- SDN practices with utilizing Python, Meraki KPI's, hands on with Ansible Tower
- Proficient in AWS/AZURE connectivity
- Proficeint in VMware ESXI, V-Center, V-sphere
- Proficient in multiple network vendors Cisco, Cisco Meraki, Fortinet, Juniper, Checkpoint, HP, F5, Netscaler
- Proficient in Microsoft Technologies regarding: AD, Group Policy, DNS, DHCP, NPS, Powershell
- Pofricient in Linux Technologies regarding, DHCP, TACACS+, DNS
- DWDM and CWDM experience

PROFESSIONAL EXPERIENCE

City of Aurora,
Senior Network Engineer III/ Network and Systems Team Lead, 3/2021 – Present

- Worked closely with CIO, Deputy CIO, and directors in various projects
- Presented Project updates to Worked with multiple security vendors to provide cyber security the city
- Part of the Change Advisory Board
- Worked with multiple layer one vendors in ethernet, fiber and dark fiber placement
- Worked with multiple MSP's in providing services and upgrades for Telephony/Network/Systems
- Worked with multiple ISP's that provide services to the city and Mayors Office
- Implemented Microsoft Planner to address projects and goals, quickly became a citywide tool
- Helped setup city Axon BodyCam for officers and Fleet and point person to help the City of Naperville to implement
- Assigning team members to various projects
- Used grouplink/Ivanti for Helpdesk tickets
- Managed/Mentored a network team of 5 and systems team of 4 to achieve city and personal goals
- Helped create a healthy team environment
- Reverse Engineered and documented the City's network due to poor documentation
- Providing support to critical city 24/7 networks
- Managed an enterprise network environment of over 200+ devices (Modifying config, upgrades, etc..) Implemented Kiwi-Cattools for network backups
- Re-Engineered and implemented PRTG for better network monitoring
- Made changes as necessary to prevent future outages to legacy network- (layer 2 STP modifications, removing redundant trunks, etc)
- Re-Architected and successfully implemented the Water Treatment plant (Secured OT SCADA devices), Police Department, Public Safety (Fire-stations/911 Dispatch) and City Park network to be segmented and more secure utilizing Fortinet Firewalls, Switches, and Access Points while utilizing SD-WAN for application prioritizing for IPSEC as well as WAN dependencies in parallel to existing network
- Re-Architected and successfully migrated Checkpoint VPN to Netmotion VPN for the city, police department, Public Safety, and IT in parallel to existing network
- Creating Supernets, Subnets for new networks
- Helped plan and migrate from patriot 911 systems to Viper 911 systems
- Designed and Implemented TACACS+/AD to provide secure network access from local login
- Assessed and changed critical network security settings (restricting outside access, Implemented GEO-Blocking, IPS, and DNS Filtering to firewall rules)
- Implemented 802.1X authentication to wireless using NPS, certs, and AD
- Currently standing up a POC to introduce Zero Trust to the network

Wide Open West (WOW! Internet and Cable),
Network Engineer II, 2/2017 – 3/2021

- Managed an enterprise network environment of over 400+ devices (Modifying config, upgrades, etc..)
- Started and helped standardize the naming convention as well as the subnetting of particular networks in the reorganization of routing in the environment
- Worked with legacy Netscreen devices with rulestets and Nats
- Designed and configured hardware for call center environments Juniper EX3400's EX4300's, EX4600's SRX1500's in replacing legacy networks, configured route policies, help provision circuit turnups, etc..
- Succesfully utilized Juniper ISSU in Firewall environment for seamless uninterruptable firmware upgrades
- Standardized mac limit on user access points, fixed layer 2 STP issues between Juniper and Cisco environments
- Worked on infrastructure projects such as in replacing current PBX with In-Contact for Call Centers, AWS direct connect, CMDB's
- Worked with Service Now for tickets
- Worked with SolarWinds and PRTG for monitoring
- Set the standard for exporting J-Flow version 9, S-Flow, and Netflow to appropriate monitors
- Brought in Solarwinds Kiwi-Cattools for backups of network devices
- Worked with external network team to fix internal routing issues
- Maintaninted Pulse Secure for VPN clients
- Utilized Junos Space to add, modify, remove firewall rules
- Worked with F5 load balancers
- Configured, troubleshot and maintanined AWS tunnels, design for Direct connect
- Managed wireless enterprise with Meraki AP's
- Maintained Tacacs+ Server
- Maintanined NPS (Radius) servers, clients, and upgrading wireless certificates, etc...
- Helped in overall plan for redundancy for critical sites, based upon circuits and technology by bringing ideas to management
- Working with team for major network overhaul including but not limited to changing vendors from Cisco/Juniper to Meraki, subnetting and breaking down LAN/WAN/WLAN, standardizing network closets, power, distribution
- Worked to establish better communication amongst the team, often leading from others to identify and speak their ideas so that they are realized and debated to promote a healthy working environment

Redbox: Oakbrook Terrace,
SR. Network/Security/Voice Engineer, 11/2016 – 4/2017

- Built and Maintained a new Call Manager Cluster using the UCS220 platform as well as a new instance of Unity with integrating CIC Interaction manager for Call Center
- Maintanied and Managed cisco WLC 5508, switches: 3750's 3650's 6500's, 4500's. Routers 2900's 2800's 3900's. Firewalls – Juniper, ASA
- Maintained and Managed F5 Load balaner Virtual Editions and LTM
- Juniper SRX firewalls 650's, Command line and using Junos Space
- Maintained Pulse Secure
- Configured and maintained VPN Tunnels to AWS
- Layer 2 and 3 switching and routing. ST, RSPT, routing EIGRP, BGP, OSPF
- Utilized Arista Switches in the Data centers
- Configured and maintained Nexus 3k, and 5ks, recently upgraded a pair of 5696's

Dupage Medical Group: Downers Grove,
SR. Network/Security/Voice Engineer, 09/2012 – 11/2016

- Managed a enterprise network consisting of 300+ infrastructure devices
- Maintaned AnyConnect for remote users
- Configured, implemented, managed, and troubleshot Cisco/Juniper routers, switches, firewalls, access points
- Networking Products currently supported include Cisco 2950, 3950, 3560. 2960, and 4700 series switches, Cisco 1200, 3500 series wireless access points, Cisco 2800, 2900, 3800, 3900, 4k series routers, Cisco 5500 series firewalls, Cisco Call Manager, Cisco Unified Communications Manager Server, Array Networks Load Balancer, Barracuda Load Balancers, F5 Load Balancers and Polycom Video Conferencing assets, Ironport Proxy, Juniper EX4300, 4600 switches and SRX Firewalls, Dell Sonicwall, and Netscaler Load balancers
- Active Directory, DHCP, IIS, DNS, Radius, SharePoint, supported in Server 2003 and Server 2008, 2010
- Set standard for designing IT network closets. MDF and IDF's

- Configured and maintained redundant Cisco Wireless 5508 controllers with over 450 Access points
- Configured, implemented, managed, and troubleshot ESXI VMware/Vcenter server/client configs
- Team lead in an aqusition to reduce the network size from a /8 to /24, reconfigured 36 Routers/Switches/Firewalls
- Worked with HP hardware and software mainly from using cisco UCS 210 and 220's in virtual envrionment
- Build and maintain IPSEC and SSL VPN's, including anyconnect, clientless and site to site tunnels
- Maintained and confingured Nexus 5k and 7k Models
- Maintained an Active Active Data centers using Netscaler Load balancer
- Added acls and rules to switches and firewalls
- Set standard for acquisitions and new buildings from a network prospective
- Experience with 3750, 3850 dist switches
- Maintanied carrier redundancy with Metro E (Comcast) and Gigabit Ethernet (AT&T)
- Worked with Carriers in installing circuits in acquisitions and new builds
- Worked with vendors such as Terrance Electric for electrical and low voltage needs
- Worked on the security team in locking down sites with vlan ACLS, and rulesets on the firewall and dist switches that provided L3 to sites
- Presented ideas to team and management

EDUCATION_____

Westwood College of Technology, Woodridge, IL   May 2008
Bachelor of Applied Science in Information Systems Security
- 3.60 GPA; President's List

▪ CERTIFICATIONS ▪

Fortinet NSE 4
Netmotion
CCNA & CCNP Route Switch
CCNA & CCNP Security
JNCIP R+S
Comptia A+