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Lifetime IT professional with 20+ years of professional experience spanning the entire spectrum- Network Engineering (L2/L3 Routing, Firewall, IPSEC/SSL VPN, Scanning and Monitoring); Linux Administration and Scripting (Bash and Python), IAM/kerberos soluations; Configuration Management/IaC (Ansible, Puppet), and Information Security. Currently working with infrastructure, architecture deployment with the Kubernetes ecosystem, Terraform, AWS CloudWatch, and returning to programming with Python.

------------------------- *Certifications:*
- CCNA Routing and Switching
- Amazon AWS Solutions Architect Associate
- EC-Council Ethical Hacker (CEH), Forensic Investigator (CHFI)
- CCNA CyberOps (InfoSec)
- Metro Ethernet Forum SDN/NFV Professional
- CompTIA CASP, Security+, Network+

------------------------- *Technical Areas:*
Network Technologies: TCP/IP, Routing (RIP, OSPF, EIGRP, BGP), VPN (IPsec and SSL, DMVPN)
- Cisco to Juniper MPLS via cross-connects/ pseudowire to form enterprise WLAN. F5 load balancers.
- Packet inspection/ analysis with Wireshark; testing with NMap, Scapy, hping, etc.

Firewall: IPTables, ACLs; pfSense; ASA/ASDM; Fortigate, etc.
Virtual Infrastructure: AWS, GCP; VMware ESXi/NSX, Openstack
Infosec: Monitoring traffic (Nagios, etc.); SIEM (Splunk, etc); Vulnerability assessment (Qualys, Nessus, etc.)
CI/CD, Infrastructure as Code: Ansible, Terraform, (some Puppet/ Chef/ Jenkins)
Cloud Native: AWS, GCP; Kubernetes, OpenShift, Istio, Helm, Prometheus, GitOps, etc
Operating Systems: Linux (primarily), Mac OS X, BSD, Windows Server (Active Directory, Group Policy, etc)
Programming Languages: currently: Python, Bash, some PowerShell; legacy: C/C++, Java, PERL)

------------------------- *Employment History*
Various End Clients (through Robert Half, K-Force, etc) - 02/2019 - present
Consultant, Contractor
- Continuation of previous contracting as mentioned below (in 2015-2019) with more of a Cloud and DevOps emphasis.
- Got AWS Solutions Architect Associate cerification and (in 2022) am working to upgrade to Architect Professional.
- Was introduced to and networked with CEO of WeaveWorks and their staff; which turned attention to GitOps and their solutions for managing multi-cloud distributions of Kubernetes.

GenXComm Inc- 04/2020 - 08/2020
Machine Learning/ Neural Networks project
- Programming machine learning scenarios and deep neural networks
- Python, Tensorflow, NumPy/Pandas, and Keras

Charter - Spectrum Enterprise - 07/2018 - 02/2019
Network Engineer II, Enterprise Managed Services Operations, Event/ Incident/ Problem Management team
- Troubleshot and configured layer 2 and layer 3 circuits [VRF, MPLS, VPLS; xconnects, LACP, etc.]
- Provided tier 3/4 on-call/after-hours solutions to issues escalated by technical support, field techs.
  Supported services included:
  - DIA (direct internet access) internet provisioning through our onsite router(s)
  - ELAN (Extended LAN) - tunneling traffic from enterprise main site(s) to branch locations over MPLS/VPLS core to onsite router(s) at the customer premise(s); sometimes through other service providers
  - Ethernet over DOCSIS (EoD) - fiber not available/justified- site to site MPLS/VPLS to DOCSIS, DOCSIS only
  - Carrier EoD - designed for redistribution to enterprise customers under their own management downstream.
  - RAD, ADVA fiber or DOCSIS devices passing traffic to Cisco 800, 1900, 2900, and 3900 series ISR's, ASR 1000's, ASA 5xxx's, Meraki, or Fortigate for customer handoff endpoint
  - Juniper MX or Cisco 2921 concentrators for provider edge
  - Cisco Prime, Ruckus SCG wireless controllers; IP video, QAM, channel insertion

Various End Clients (through Robert Half, K-Force, etc) - 01/2015 - 06/2018
Consultant, Contractor
- Racking, stacking, and wiring datacenter cabinet rows
- Installing, configuring, deploying Mac, Windows and Linux workstations
- Deploying and configuring LANs for offices and workshop events
- Performing security assessments; penetration tests, and vulnerability analysis of SMBs

• Consulted on assessment of WiFi provisioning for a major conference (est. 6000 people)
   • Technical writing - produced concise yet thorough advanced overviews to replace over-worded "teach-to-the-test" literature. Topics covered include various Cisco, RHCE, and infosec topics.

Example 1: Experian Health - 10/2017 - 01/2018
Network Security Engineer: Systems Operations, Vulnerability Management
 • Reported to the VP of IT Ops; coordinated with production control, change management, DevOps, etc.
 • Removed vulnerabilities on Cisco/Dell/F5/etc., Linux/Windows server/VDI images in various data centers.
 • Infrastructure scanned with Qualys/Tanium/etc; output to Jira, Helix ALM/TestTrack for ticketing.

Example 2: CompuCom - 06/2017 - 09/2017
Network Field Consultant
 • Analysis and prompt resolution of network outages from customer premise border to endpoints
 • Assessed fiber to cat5e/6 converters, ODUs; PDU, routers, switches, firewalls, NAS, etc.

Austin Community College - Psychology, Sociology - 08/2006 - 10/2014
Departmental Executive Assistant
 • Consulting for Department Chair; had 25+hrs/wk surplus time on the job, encouraged to use for studying, reconsolidating knowledgebase, topics ranging from RHCE, Kali Linux, and Cisco.

Texas Radiation - 02/1999 - 05/ 2006
Systems Administrator
 • Evaluated several versions and configurations of Linux for stability and suitability
 • Conducted system optimization/ performance tuning on Linux systems

HumanCode [acquired by Sapient] - 05/1999 - 02/2001
Programmer/ Software Engineer
 • Object-oriented programming in Lingo (Director) and ActionScript (Flash), some PHP/MySQL
 • Java and C++, reached an intermediate-level in both.

University of Texas at Austin - 06/1994 - 05/1999
Computer Programmer/ Network Services
• Co-supervised all labs provided by College of Education including:
   • Network infrastructure and planning.
   • Scripted configuration management for labs' workstations
   • Server optimization, group policy, user/group administration on Windows Servers
   • Computer lab management, faculty IT support throughout the college.

------------------------- **Educational Experience**
05/1996 - 05/2000
University of Texas at Austin
         • Courses spanning UI/UX, programming, systems and network engineering outside of a degree plan.

05/1985 - 05/1989
LBJ Science Academy (secondary school)
         • College level BIO I & II, CHEM, PHYS. Honors english, history, & mathematics (up to pre-calc)

Keywords: Network Engineer, Systems Administrator, Network Security Engineer, Security Engineer, Linux Systems Administrator, Linux Network Administrator, Linux Systems Engineer, Unix, CCNA, CEH, CHFI, CompTIA, Red Hat, ISO, TCP, IP, OSI, Layer 2, L2, L3, Layer 3, route, Routing, Switch, Load Balancing, Nessus, pfSense, Nagios, Perl, Python, Agile, Scrum, NIDS, HIDS, SQL, Git, Github, Juniper, Alcatel, VMware, vSphere, Citrix, ESX, NSX, XenServer, vCenter, KVM, Hypervisor, Virtualization , DNS, DHCP, IOS, IOS-XE, NX-OS, ASR, ISR, API, SOA, REST, high-availability, NAS, SAN, metrics, automation, performance, monitoring, authentication, authorization, confidentiality, integrity, enterprise, deployment, troubleshooting, supervision, analysis, LDAP, LAN, WAN, OSPF, BGP, EIGRP, STP, analytics, vulnerability assessment, incident response, OWASP, DAST, SAST, penetration testing, disaster recovery, red team, Metasploit, MSF, PAP, CHAP, PKI, LXD, LXC, trunk, traffic, policy, regulatory compliance, optimization, SLA, RPM, APT, telephony, QoS, 802, topology, cabling, policies, ASA, ASDM, CUCM, SIEM, MPLS,