



James Conner

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Experienced network engineer and Python developer focused on simple, stable, scalable networks and code.

AutoZone, Inc.

Auto parts retailer with over 6,000 locations in the US, Mexico, Puerto Rico, and Brazil also having a self-supported hardware and software stack.

Core Responsibilities and Achievements

- Designed and deployed high-availability remote site to support new business initiatives.
- Aggregated multiple sources of site location and network information into single source-of-truth utilizing Python, Ansible, Docker, and MongoDB.
- Implemented new circuit troubleshooting that increased vendor response by 100% and decreased mean time to repair by over 50%.
- Built and maintained network device configuration templates for deployment through vendors.
- Provided remote support and troubleshooting for routers, switches, and VoIP phones at stores and remote offices.
- Worked with vendors to deploy, test, and troubleshoot remote site hardware and configuration.

Systems Specialist

05/2016 - current

Environment and Technologies

802.1q 802.3 Ansible BFD BGP
Cisco CME Cisco Catalyst switches
Cisco EEM Cisco IOS Cisco IOS-XE DMVPN
Docker EIGRP Flask HSRP Jinja2 LTE
Linux MPLS MongoDB Netmiko
PowerShell Python QoS Shell scripting
T1 TCP/IP VBScript VoIP

Computers & Networks, Inc.

Systems integrator providing hardware and software installation, maintenance, and support as well as systems and network design and implementation for businesses in Memphis and the surrounding areas as well as remote locations nationwide.

Core Responsibilities and Achievements

- Administered Microsoft domain and on-premise Exchange as well as managing wired and wireless networks and Internet connectivity for clients' branch and corporate offices.
- Provided helpdesk support for desktop and server systems and wired and wireless networks.
- Installed, configured, and maintained desktop and laptop hardware and peripherals.
- Managed OS upgrades and patching for server and desktop systems.

Systems Administrator

11/2015 - 05/2016

Environment and Technologies

802.11 802.1q 802.3 Cisco routers
Cisco switches HP ProLiant servers
HP Switches Microsoft Active Directory
Microsoft Exchange Microsoft Hyper-V
Microsoft IIS Microsoft Office Suite
PowerShell TCP/IP VoIP Windows 10
Windows 7 Windows Server 2003
Windows Server 2008 Windows Server 2012
tape backups

Premier Satellite & Internet

ISP and TV provider operating in Memphis and the surrounding areas specializing in deploying and providing services to apartment communities and businesses.

Core Responsibilities and Achievements

- Redesigned core network from layer-2 topology utilizing static routes to dynamically routed network using OSPF.
- Migrated edge network to BGP, expanded edge to multiple providers for BGP multihoming.
- Designed and installed point-to-point and point-to-multipoint wireless backhaul to increase network footprint and deploy additional client sites.
- Built server infrastructure for additional network operations capabilities.
- Migrated network monitoring system to virtualized environment and deployed IPAM and DNS to support network operations.
- Designed and integrated Ethernet and DOCSIS networks for customer access.

Network Engineer

05/2014 - 10/2015

Environment and Technologies

802.11 802.1q 802.3 Asterisk PBX BGP
DNS DOCSIS Dell Poweredge Servers
IPAM Linux Mimosa Wireless NMS OSPF
PTMP wireless PTP wireless backhaul
RouterOS SIP SNMP TCP/IP Ubiquiti Unifi
VMWare ESXi VRRP VoIP

Education

- Graduated from Collierville High School.
- Attended Mississippi State University for double major in Aerospace Engineering and Physics.

References available on request.

Additional work history is available on [linkedin.com/in/james-a-conner/](https://www.linkedin.com/in/james-a-conner/)