



## 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 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/)