David P. Rosend

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WORK EXPERIENCE

MAP Communications   Jan. 2020 – Present (~5 years)
Network Engineer   *Chesapeake, VA*
- Designed and implemented VXLAN EVPN data center migration for legacy on-prem server network
  - This network supports primarily VoIP with 200,000+ calls per day, ~700 active calls at any time
  - Converted mixed static and OSPF routing to homogeneous BGP with an east-west firewall to apply firewall policy to traffic (VRF-Lite)
- Designed and implemented new SD WAN topology to connect remote sites into our datacenter environment
  - Migrated from legacy Talari SD WAN to Silverpeak SD WAN for 25 remote offices in the US and UK
- Created comprehensive backup and out of band recovery systems for datacenter and office sites
  - All network device configuration was automated using Ansible along with Gitlab version control + AWX in a customized 2 stage deployment system for ease of change management and rollback.
- Implemented AWS Cloudwan to connect AWS resources to our datacenter environment
  - Utilized AWS Direct connect, transit gateways, and BGP to peer with 2 separate datacenter sites
- Designed and implemented new multicast routing architecture to carry multicast application traffic to users
- Implemented a host overlay to connect a Kubernetes deployment into our EVPN fabric using Calico
- Extensively documented network infrastructure, including topology diagrams, historical explanations for configuration and design, and O&M procedures for configuring and updating network devices

Old Dominion University   Sep. 2017 – Jan. 2020 (3 years)
Network and Systems Administrator   *Norfolk, VA*
- Responsible for design, implementation, and administration of the ODU CS Dept. network
  - Two buildings with networking equipment, small ESXi server presence, ~400 VMs
- Worked with our system administrators to manage our Linux, Virtualization, and Storage systems
- Managed approximately 10 system administrator employees
  - Developed an internal curriculum for providing professional development in networking related topics for student employees

Fairfax County Public Schools   Aug. 2016 – Sep. 2017 (1 year)
Junior Systems Administrator   *Fairfax, VA*
- Supported approximately 3500 teacher and student end user computer systems
- Used Visual Basic and Powershell scripting to streamline and automate frequent tasks
- Utilized a ticket support system to manage and resolve computer issues with end users and other schools
- Piloted a program called FCPSOn, where every student was issued a laptop

EDUCATION

Old Dominion University   December, 2023
BS, Major: Cybersecurity, Minor: Computer Science   *Norfolk, VA*

CERTIFICATIONS, SKILLS & INTERESTS

- **Certifications:** CCNP Enterprise w/ Design Focus (ENSLD), Security+
- **Skills:** Network automation, Network design, Linux administration, Ansible, Wireshark, Cisco Nexus, Fortinet, Juniper, AWS, Silverpeak, Python, Prometheus, Grafana, VXLAN EVPN, SD WAN, Containerlab, Git, gRPC, Powershell, Bash, ESXi & vCenter, NetApp, Rubrik, Aruba Wireless, VLANS, Leadership & Communication
- **Interests:** Rock climbing, Backpacking, Endurance athletics (running, biking, etc), Meteorology, Aviation, BJJ