Nickolas Vander Bruggen

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WORK EXPERIENCE

CIT EXPERTS | Network Field Technician
Oct 2024 - Current | Rancho Cucamonga, CA

- Participated in a Wi-Fi expansion project for 20 Los Angeles County Fire Department stations, installing Ruckus APs to improve wireless coverage and support higher device density.
- Participated in a complete IP camera upgrade at 15 TJ Maxx and Marshalls locations; decommissioning analog cameras and installing IP cameras ground-up-from cabling to the network rack.
- Participated in a region-wide NinjaOne RMM deployment, installing and verifying agents on 300+ machines across various client sites to enable proactive monitoring and remote support.
- Assessed multiple Lowes and Hey Dude locations for future fiber runs; verified MPOE to server cable path, checked rack space, and confirmed available SFP modules for future uplink
- Worked with a wide range of enterprise technologies including Cisco MX67, Meraki MG51, MikroTik RouterBOARD, VMware Edge 610/640, FortiGate 60F, Oviss IoBot Nano, NinjaOne RMM, and devices from Cisco, FortiNet, Aruba, Arista, Ruckus, Skyriver, VMWare, Cradlepoint and Starlink systems.
- Collaborated with Tier 2–Tier 4 support teams, NOC staff, network engineers, and project managers to escalate technical issues, confirm system functionality, and ensure seamless handoff of services.

SUBWAY | Sandwich Artist - Lead
June 2022 - Oct 2024 | Hesperia, CA

- Closed night shift solo for 8 months
- Skills: patience, customer service, multitasking

PERSONAL PROJECTS

NETOPS MONITORING AND AUTOMATION LAB

- Built a network monitoring and automation lab inside VMWare Workstation using pfSense, rsyslog, SNMP-fed LibreNMS Docker container for GUI visualization, and Python. Integrated log aggregation, SNMP telemetry, Wireshark packet analysis, and Paramiko-based automation for real-world visibility and control.

PUBLICATIONS

NETWORKING ENCYCLOPEDIA: VOL. 802.1Q
Author & Technincal Curator
Long term, multi-vendor documentation project focused on deep-dives into foundational and emerging networking technologies. And personal project documentation. Actively maintained on **Github://** .

CERTIFICATIONS

- Cisco CCNA 200-301 (Oct 2024)
- Network+ (April 2024)

In Progress:

- Cisco CCNP 350-401
- Cisco CCNP SD-WAN 300-415
- Cisco CCNP ENARSI 300-410

BADGES

- Cisco to Extreme Networks Conversion Course: Switching
- Stanford Code In Place Python
- Cisco Python Essential 1
- Gemini For Network Engineers
- Google IT Support

SKILLS

5+ years:
Windows
1+ years:
Cisco IOS • Linux CLI
0+ years:
Python • Markdown • VyOS
LateX

TECHNOLOGY

Wireshark • TraceNG
Netmiko • LibreNMS
SolarPuTTY • Visual Studio
Packet Tracer • GNS3 • pfSense
Boson NetSim • GitHub
VirtualBox • VMWare Workstation
Service Fusion • Teams • RustDesk
CloudFlare

LINKS

LinkedIn:// **NickBruggen90**
Github:// **NickBruggen90**
Contact Page:// **nickbruggen90.net**