

## Graham Paasch

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### Professional Summary

Experienced Network Security Engineer with over 9 years of expertise in network engineering, automation, and security operations within IT/OT environments. Specialized experience configuring and managing Nokia 7750 routers, Cisco and Juniper hardware, and developing automated solutions with Python. Proven record of implementing secure, reliable, high-performing networks, emphasizing regulatory compliance (e.g., NERC, TCRI) and leveraging extensive hands-on experience in firewall management, IDS/IPS, VPN, and network access control (NAC).

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### Skills & Expertise

- Network Security & Infrastructure
  - Operational Technology (OT)
  - Private LTE Networks
  - Nokia 7750 Routers (Extensive experience)
  - Cisco Firewalls (ASA, Firepower), IDS/IPS, NAC, VPN
  - Regulatory Compliance (NERC, TCRI)
  - Python Automation (Netmiko, Paramiko, PyATS)
  - MPLS, BGP, OSPF, VXLAN, EVPN
  - DevOps Methodologies (CI/CD, Git, GitHub, Jira)
  - Juniper Network Platforms
  - CCNA Certified, Previously CCNP (Routing & Switching)
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### Professional Experience

#### Insight Global Contract at Google/GFiber | Austin, TX

*Network Development Engineer*

*January 2024 – October 2024*

- Configured and secured network infrastructure with Nokia 7750 Routers, Juniper, and GPON/XGSPON systems.
- Leveraged Python (PyATS, Netmiko, Paramiko) to automate and secure network device configurations.
- Managed secure collaboration via GitHub (code reviews, branch management).

## **Apex Systems Contract at Amazon | Austin, TX**

*Network Engineer III*

*November 2022 – April 2023*

- Managed network security for datacenter environments, configuring Juniper TOR devices, and ensuring compliance with security best practices.
- Automated device provisioning and configuration management via Python scripting.

## **Hays Contract at Arm | Austin, TX**

*Network Administrator*

*June 2022 – November 2022*

- Managed secure Cisco ACI lab deployments, firewall management (Cisco Firepower, ASA), VPN (Cisco AnyConnect), and NAC (Cisco ISE).
- Ensured compliance and operational security utilizing ITIL processes (incident, change management).

## **Hewlett Packard Enterprise | Austin, TX**

*Senior Network Engineer*

*June 2020 – May 2022*

- Secured management network infrastructure supporting supercomputers, optimized for performance and security.
- Implemented secure design changes and Python-driven automation for network configurations and compliance verification.

## **Spectrum Enterprise | Austin, TX**

*Network Developer II*

*August 2019 – June 2020*

- Developed and automated secure AAA configurations for 32,867 Cisco network devices, utilizing Python scripting and REST APIs, enhancing overall network security and compliance posture.

*Network Engineer II*

*July 2017 – August 2019*

- Designed and supported the configuration of command restrictions in Cisco ACS and prevented trunking outages.
- Delivered training, mentorship, and guidance to 20 team members to enhance expertise and best practices.

## **Charter Communications | Madison, WI**

*Network Specialist I*

*May 2015 – July 2017*

- Supported the development and implementation of network automation for scale and predictability leveraging common languages and configuration as code.
  - Delivered advanced troubleshooting, customer support, guidance, and best practices to on-site network technicians.
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## **Education & Certifications**

- Associate Degree, IT, Network Specialist – Madison Area Technical College, Madison, WI (2015)
  - CCNA Certification – Currently Active
  - CCNP Routing & Switching – Previously held (Expired September 2022)
  - JNCIP-SP – Previously held (Expired September 2022)
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## **Areas of Expertise & Technologies**

Cisco | Nokia 7750 | Juniper | Python Automation | Firewalls (ASA, Firepower) | IDS/IPS | NAC | VPN (IPSec, AnyConnect) | MPLS | BGP | OSPF | VXLAN | EVPN | Private LTE | OT Networks | AWS | CI/CD (GitHub, GitLab, Jira)

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If you need further adjustments or additional assistance, feel free to ask!