Graham Paasch

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SUMMARY

100% remote work only for the rest of my career. No hybrid. No onsite. No day one onsite. No travel. Desired roles: Site Reliability Engineer Network Architect Technical Lead DevOps Engineer Network Security Engineer Network Operations Manager Cloud computing Software-defined networking (SDN) Network virtualization Automation Data A results-focused and detail-oriented experienced technology professional in my 8th year of extensive experience leading engineering, operations, and support of complex and mission critical networks. Proven record of consistently delivering effective and innovative solutions to complex problems. Verified ability to provide infrastructure that is secure, reliable, and high performing, with a focus on delivering smooth experiences for stakeholders and clients using lead edge technologies. SKILLS & EXPERTISE • Network Engineering • Border Gateway Protocol (BGP) • Technical Configuration • Operations & Maintenance • Agile Methodologies • Network Administration • Network Programmability • Virtual Private Network (VPN) • Open Shortest Path First (OSPF) • Multiple Label Switching (MPLS) • Technical Thought Leadership • Juniper and Cisco Hardware

EXPERIENCE

Network Engineer III

Amazon   October 2022 - Present

• Performed automated site-builds using AWS. • Network analysis and troubleshooting skills. • Managed, tracked, and coordinated problem resolution and escalation processes

Senior Network Engineer

Hewlett Packard Enterprise   June 2020 - May 2022

Hewlett Packard Enterprise (NYSE:HPE) is an American multinational enterprise information technology company based in Spring, TX founded as part of the splitting of the Hewlett Packard company. It employs 59,400 employees and generates $27B in annual revenues. • Responsible for supporting network capacity planning, throughput, performance and scale diagnostics while delivering agile leadership as a contractor supporting HPE, providing daily thought leadership to multiple engineering teams. • On a team of 10, support the management network internal to a legacy organization super computer, through implementation, configuration, architecture and design using GIT and Bitbucket/Gitlab/Github to ensure a collaborative ecosystem. • Deliver thought leadership to key stakeholders to support the design and architecture for scalable network topologies. Advocated for a Clos network design, as opposed to hierarchical, as a result of self learning and research, and not prior experience or training with Clos networks. Participated in detail technical discussions about design and implementation of Clos networks.

Network Developer

Spectrum Enterprise   August 2019 - June 2020

Spectrum Enterprise, the re-brand of Charter Communications, Inc, is a national provider of scalable, fiber technology solutions serving the largest businesses and communication service providers across the United States. It serves more than 32M customers in 41 states. • Responsible for ensuring efficient and reliable network orchestration, virtualization, and automation platforms, leading integration efforts to improve production and providing daily leadership to support engineering teams and customers. • Developed CI/CD build pipeline and automation for developed applications, managed completed complex technical projects while delivering network engineering and software development within cost efficient and Agile frameworks.

Network Engineer II

Spectrum Enterprise   July 2017 - June 2020

• Reporting to the Network Engineering Manager, responsible for planning, designing and deploying network infrastructure, leading configuration, and troubleshooting of complex network technologies. • 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.

Network Specialist 1

Charter Communications   May 2015 - July 2017

Charter Communications (NASDAQ: CHTR), now re-branded to Specturm, is a leading American telecommunications and mass media company with services branded as Spectrum. It serves 26M customers in 41 states, employs 98,000 people and generates $48.1B in annual revenues. • Responsible for supporting the development and implementation of network automation for scale and predictability leveraging common languages and configuration as code, while providing leadership to teams and customers. • Delivered advanced troubleshooting, customer support, guidance and best practices to on-site network technicians, leading instruction on RFC2544 testing units, final configurations application, as well as setting up of testing circuits. • Developed Visio automation utilizing Python; supported the development of a server side application utilizing PHP to parse JSON payloads. Built an API to deliver drawings in a vsdx format, reducing a multi-hour process to 10 minutes.

Network Specialist

Kforce Inc   July 2015 - October 2015

Contractor at Charter.

Network Specialist

Hart Employment Services   May 2015 - July 2015

Contractor at Charter.

Supplemental Instructor

Madison College   September 2014 - May 2015

Madison Area Technical College is a public technical and community college based in Madison,
Wisconsin. It serves students in parts of 12 counties in south-central Wisconsin, employs 2,400
staff members and enrolls approximately 30,000 students. • Responsible for delivering
supplemental instruction on advanced course materials to 10 students each week, including
network equipment configuration, NetDevOps, Python automation, and CCNA exam preparation.
• Delivered engineering guidance, mentorship and instruction; encouraged growth, success and
confidence in a diverse student base • Participated in the North American Cisco NetRiders
competition placing 18th out of several hundred participants. Delivered a professional
presentation on how to scale up to network topology to meet increasing bandwidth demands.

Recovery Intern

Gillware Data Recovery   May 2014 - August 2014

Gilware is a leader in data recovery services, recovering data from over 100,000 storage devices
since 2004. It utilizes leading edge technologies and its recovery engineers maintain a combined
200,000 hours of professional data recovery experience. • Responsible for performing operational
tasks and performance optimization to ensure the functionality of recovery systems critical to
success of Gilware, utilizing hardware systems while providing support to cross-functional teams.
• In partnership with the marketing and sales teams, formed impactful relationships with new and
existing client base, delivered a process improvement initiative to ensure data accuracy for critical
forms and documentation processes. • Led intake for damaged hard drives, assessed platters for
damage including scoring or dust; archived replacement parts, ensured impeccable filing and
documentation systems that resulted in reduced shipping costs and time.

Captionist/Coach

CapTel   2011 - 2013

EDUCATION

Madison Area Technical College   2013 - 2015

Associate's Degree , Information Technology

University of Wisconsin-Milwaukee   2004 - 2006

Bachelor of Arts - BA , Music Performance, General

SKILLS

- DevOps
- Network Engineering
- Network Administration
- Network Architecture
- XML

- Windows Server
- REST APIs
- Object-Oriented Programming (OOP)
- MySQL
- Microsoft Excel
- Microsoft Azure
- Machine Learning
- JavaScript
- IT Operations
- HTML
- Google Cloud Platform (GCP)
- Go (Programming Language)
- Django
- Cybersecurity
- Cascading Style Sheets (CSS)
- Agile Methodologies
- Networking
- Cisco IOS
- Troubleshooting
- Works well in a team
- Cisco VoIP
- Linux
- Learning Quickly
- Wireshark
- SCCP
- High Level Of Accuracy
- Soldering
- Active Directory
- Teamwork
- Technical Support
- Visio
- AutoHotKey
- Routing
- QoS

- Python

- Cisco Routers

- Cisco Systems Products

- Customer Service

CONTACT DETAILS

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