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SUMMARY

Strategic Network and Infrastructure Architect

Accomplished network and infrastructure architect, senior technologist with over 20 years of experience designing, implementing, and optimizing complex technical systems across healthcare, finance, educational, and SaaS environments. Adept at developing scalable, secure, and highly available infrastructure solutions with deep expertise in cloud architecture, automation, and network engineering. Known for clear communication, excellent documentation, and the ability to distill technical complexity into actionable insight.

TECHNICAL SKILLS

Networking:
BGP, OSPF, MPLS, VRF, MP-BGP, DMVPN, IPSec, SSL VPN, 802.1x, QoS, SD-WAN, EVPN, L2/L3 routing, Multicast, NAT, DNS, DHCP

Cloud & Virtualization:
AWS (EKS, Outpost, Transit Gateway, IAM, VPC, EC2), Terraform, Kubernetes, VMware NSX-T, vSphere, AWS Site-to-Site VPN, Direct Connect

Automation & Tooling:
Terraform, Ansible, SaltStack, Puppet, Jenkins, Git, JSON, Python (basic), Bash scripting, monitoring & alerting (Nagios, Prometheus, SNMP, Syslog)

Hardware & Platforms:
Cisco (Catalyst, Nexus, ASA, ISR), Arista, Palo Alto, Juniper, CheckPoint, Cumulus Linux, Whitebox (ONIE), Dell, Supermicro, Citrix Netscaler

Documentation & Communication:
Network diagrams (Lucidchart, draw.io, Visio), Architecture documents, Runbooks, Design Review Presentations, RFP responses, Cross-team coordination

SELECT ACCOMPLISHMENTS

Infrastructure Design & Optimization
- Re-architected core data center network into a modern leaf-and-spine topology, significantly increasing capacity and reducing cost per port in time for rapid customer base growth.
- Redesigned inter-data center WAN using MPLS to enhance security, scalability, and overall performance across multiple environments.
- Designed and implemented a DWDM solution to reduce last-mile costs and improve fiber efficiency across sites at Athenahealth.
- Created automation frameworks using Terraform and Ansible to streamline infrastructure provisioning and reduce deployment times by 70%.

Documentation & Communication
- Authored and maintained internal architecture documentation and decision records that became gold standards for system continuity and onboarding.

Leadership & Mentorship
- Founded and facilitated internal Architecture Forums, improving cross-team collaboration and driving technical decision-making.
- Mentored junior engineers and peers in infrastructure best practices, automation, and architectural thinking.

EXPERIENCE

Netris inc   (June 2025 – current)
Product Manager
- Proactively identified and executed key product and process improvements within the first 90 days, earning a reputation as a go-to problem solver.
- Authored detailed user stories and designed wireframes to guide product architects in understanding the user perspective on new features.
- Wrote clear, user-facing documentation and tutorials, using Sphinx and GitHub Pages to streamline the documentation process and improve customer onboarding.

athenahealth inc.   (May 2015 – Oct 2024)
Director of Infrastructure and Network Architecture.
- Designed and implemented scalable hybrid infrastructure combining AWS (including Outpost), on-prem, and containerized environments (EKS) using Terraform and Jenkins for deployment automation.
- Built resilient spine-and-leaf data center networks using whitebox switching and EVPN overlays; reduced cost per port by 75% and improved capacity 4x. Automated provisioning.
- Developed PHI masking systems and security zoning for compliance with HITRUST and SOX, collaborating with security and audit teams.
- Designed ECMP-based transitive routing between environments; eliminated choke points and improved availability.
- Built a full-featured lab and staging environment to test and document changes prior to production deployment.
- Produced detailed documentation including network diagrams, firewall rulesets, standard operating procedures, and team onboarding guides.

Santander Bank, N.A.   (March 2011 – April 2015)
Network Team Lead and Architect
- Designed and built a multi-entity network supporting 750+ retail branches and 1000+ ATMs using MPLS, VRF, and BGP.
- Designed and deployed an enterprise DMVPN solution, replacing legacy circuits and improving flexibility while cutting costs.
- Led deployment of 802.1x authentication, secure Wi-Fi (WLC/LWAP), RADIUS/TACACS authentication servers.
- Maintained CheckPoint VSX and Cisco ASA firewall clusters supporting remote access and site-to-site VPN.
- Created structured documentation templates and implemented peer review of all changes.
- Mentored junior network engineers and managed day-to-day escalations and incident response.

Massachusetts College of Pharmacy   (December 2009 – March 2011)
Senior Network Engineer
- Designed and maintained WAN and LAN across three campuses and multiple buildings.
- Built QoS, wireless, and firewall frameworks to support data, voice, and video services.
- Implemented redundant uplinks, power systems, and centralized monitoring for improved reliability.
- Authored documentation and procedures for daily ops, upgrades, and onboarding.

EDUCATION and CERTIFICATIONS

B.S. in IT, Computer Networking and Security, Herzing University
CCNP - Cisco Certified Network Professional
AWS - Certified Solutions Architect - Associate
AWS - Certified Advanced Networking - Specialty
AWS - Certified Developer - Associate
CCONP - Cumulus Certified Open Networks Professional
ITIL Foundations