

Seasoned technical professional – networking and cloud computing – looking for interesting, engaging, work where I can learn new things and help others grow. I build things that let computers talk to other computers and help other people do the same.

Open to remote or hybrid (west of Boston, MA). Plays well with others.

Skills

Networking: physical and virtual routers and routing; IP, MPLS; hardware, software, protocol and network support and design; architecture and standardization; load balancers, firewalls, DNS, CDNs; troubleshooting; IP broadcast video

Cloud computing: implementation, migration, multi-cloud, hybrid cloud, automation, cost models and FinOps

Programming: Python and Go

People skills: leadership, mediation, mentoring

Communication: speaking, writing, presenting, teaching, documenting

Employment history

2024-Present: Netflix

Network architecture. Backbone, edge, and live IP broadcast.

2021-2023: New Relic

Led the migration of a large-scale containerized environment and the underlying network from physical data centers to multi-region, multi-cloud. AWS, Azure, GCP, Istio.

2020-2021: VaporIO

Held sole responsibility for a network of 80+ devices, mostly Juniper. Inherited a legacy network and reimplemented its automation from scratch. JunOS, Salt/Saltstack.

2019-2020: State Street Bank

Built a greenfield backbone and much of the data center networking for one of the world's largest banks. Arista, F5, BGP, Cumulus, and interop with the bank's legacy network and its stakeholders.

2014-2018: Level3 / CenturyLink (now Lumen)

Led the architecture for the world's largest Internet backbone. Expanded Level3 Internet services to South America and Asia. Worked on Level3+CenturyLink integration. Lots of BGP and MPLS.

1998-2014: Cisco Systems

Held a variety of customer-facing support and engineering positions. Hardware, software, protocol and network support and design; escalations, training, documentation, and the like.

1995-1998: TerraNet Internet Services

Startup ISP in the dot-com boom era. Dialup, leased line, frame relay, consulting, system administration.

Publications:

Co-author with Ajay Simha, *Traffic Engineering with MPLS*, Cisco Press (2003)

Author or co-author of several patents in the network space

Certifications

CCIE #4122 (expired)

FinOps Certified Practitioner (active)

AWS Certified Cloud Practitioner (active)

Education

MBA, Clark University, Worcester, MA

BA (Psychology), Northeastern University, Boston, MA

The following is a list of machine-scannable keywords with which I have somewhere between passing familiarity and expert-level knowledge.

aaa	git	multicloud	ssm
access lists	github	netconf	sr
acl	go	netdevops	srv6
agile	golang	netflow	standardization
analytics	gre	network architecture	standards
ansible	gsr	network design	standards process
api	html	network management	tacacs
architecture	http	network security	tcp
arista	https	networking	tcp/ip
asr9k	ieee	neutron	tdd
aws	ietf	nms	teamwork
azure	igrp	nokia	test driven development
bash	ios	numpy	ti-lfa
batfish	ios-nx	openconfig	tls
bgp	ios-xr	openstack	tos
bgpv4	ip	ospf	traffic engineering
bier	ip precedence	palo alto	unicast
bridging	ip vpn	pandas	unix
broadcom	ipfix	pebkac	vault
c	ipv4	perl	virtualization
ccie	ipv6	pim	voip
cdn	is-is	pim-dm	vpn
ci/cd	isis	pim-sm	vxlan
cisco	isp	pki	windows
clos	ip broadcasting	pop	xml
cloud	itu	programming	yaml
cloudflare	itu-t	pytest	yang
containers	jenkins	python	zero trust
cos	jinja2	qos	ztna
crs	juniper	radius	
cumulus	junos	rest	
data analytics	junos mx	rfc	
data center	k8s	rip	
design	kafka	routing	
devops	kubernetes	rpki	
dhcp	ldap	rsvp	
dns	ldp	rust	
docker	leadership	s3	
docker-compose	leaf	salt	
documentation	librenms	saltstack	
documenting	linux	scipy	
dscp	load balancers	security	
dvmrp	mac	sed	
ec2	machine learning	segment routing	
eigrp	macos	sflow	
erlang	mba	smppte	
escalation	mellanox	smppte 2022	
evpn	mp-bgp	smppte 2110	
fabric	mpls	snmp	
fastly	mpls te	spine	
finance	mpls vpn	sr	
finops	mpls-te	sr-os	
firewalls	mpls-tp	sros	
gcp	multicast	ssl	