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| 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

access lists

acl

agile

analytics

ansible

api

architecture

arista

asr9k

aws

azure

bash

batfish

bgp

bgpv4

bier

bridging

broadcom

c

ccie

cdn

ci/cd

cisco

clos

cloud

cloudflare

containers

cos

crs

cumulus

data analytics

data center

design

devops

dhcp

dns

docker

docker-compose

documentation

documenting

dscp

dvmrp

ec2

eigrp

erlang

escalation

evpn

fabric

fastly

finance

finops

firewalls

gcp

git

github

go

golang

gre

gsr

html

http

https

ieee

ietf

igrp

ios

ios-nx

ios-xr

ip

ip precedence

ip vpn

ipfix

ipv4

ipv6

is-is

isis

isp

ip broadcasting

itu

itu-t

jenkins

jinja2

juniper

junos

junos mx

k8s

kafka

kubernetes

ldap

ldp

leadership

leaf

librenms

linux

load balancers

mac

machine learning

macos

mba

mellanox

mp-bgp

mpls

mpls te

mpls vpn

mpls-te

mpls-tp

multicast

multicloud

netconf

netdevops

netflow

network architecture

network design

network management

network security

networking

neutron

nms

nokia

numpy

openconfig

openstack

ospf

palo alto

pandas

pebkac

perl

pim

pim-dm

pim-sm

pki

pop

programming

pytest

python

qos

radius

rest

rfc

rip

routing

rpki

rsvp

rust

s3

salt

saltstack

scipy

security

sed

segment routing

sflow

smpte

smpte 2022

smpte 2110

snmp

spine

sr

sr-os

sros

ssl

ssm

sr

srv6

standardization

standards

standards process

tacacs

tcp

tcp/ip

tdd

teamwork

test driven development

ti-lfa

tls

tos

traffic engineering

unicast

unix

vault

virtualization

voip

vpn

vxlan

windows

xml

yaml

yang

zero trust

ztna