e.j. sahala (they/them)

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about me

Self-taught proactive learner with over 24 years of professional experience designing, building, and automating large scale & service provider networks and datacenters.

links

- https://github.com/ejsdotsh
- https://linkedin.com/in/ejsdotsh
- https://ejs.sh

technical skills

Networking
- BGP/MP-BGP, OSPF, IS-IS, PIM
- MPLS, LDP, RSVP-TE, SR-MPLS
- L2VPN, L3VPN, EVPN, VxLAN
- TCP/IP, IPv4 & IPv6, QoS
- Juniper, Cisco, Arista, Cumulus
- PaloAlto, A10, F5

Systems
- Debian, Ubuntu, RHEL, CentOS
- Apache, Nginx, Bind, Infoblox
- LibreNMS, Sensu, Zabbix, Nagios
- Docker, Kubernetes, VMWare

Development
- Go, Python, Bash
- Hugo, FastAPI, YAML, JSON
- Nornir, Ansible, NAPALM
- Git, Github

Cloud
- AWS, GCP, Linode

Prior experience
- Terraform, Cfengine, Puppet
- Jenkins, Gerrit, CVS, SVN
- C, CSH, KSH, Perl, Ruby
- MS-SQL, PowerBI, Sharepoint
- Django, Flask
- Azure, Oracle OCI, IBM Cloud
- Solaris, FreeBSD, HP-UX, Windows NT

education

A.A. Physics
Miami-Dade College

professional experience

Adobe — Sr. Cloud Network Reliability Engineer - 2021.9-2022.12
- Championed initiatives to add more rigor to network engineering practices, including design and operability reviews, blameless post-mortems, automation and standardization, and decision-making process improvements

Box — Senior Network Engineer - 2019.11-2021.8
- Design, build, automation, and operation of a global hyperscale network; responsible for everything from the top-of-rack to the network edge
- Significantly improved customer experience, as well as network capacity and reliability by completing major hardware replacements and software upgrades
- Rebuilt and maintained automation to streamline network configuration and operation

Here Technologies — Principal Network Engineer - 2018.8-2019.10
- Architecture, design, and automation of the HERE global wide area and datacenter networks; created and maintained standards and automation, reducing backbone deployment time from hours to minutes
- Resolved multiple, long-standing issues with QoS; reducing packet loss and improving throughput globally

Gaikai/Sony — Senior Network Engineer - 2017.1-2018.5
- Defined architectural requirements, acceptance criteria, and led hardware, software, and vendor evaluations for PlayStation Now's low latency, high availability, global gaming network.
- Routing redesign reduced inter-regional latency by up to 5ms

Microsoft — Senior Engineer - Network Strategy & Planning - 2014.3-2017.1
- Partnered with O365 and Field Services to improve customer retention, creating and improving internal and customer-facing training and documentation on internet standards and installation best practices; greatly reduced service activation time and nearly eliminated installation-related problem escalations
- Led a global network performance improvement program, collaborating with service owners on defining metrics to measure and report on, a workflow for enacting changes and measuring impact, as well as training and hand-over to Network Operations; reduced global service latencies, reduced triage time from 5+ days to <2 hours
- Represented company at conferences (NANOG, RIPE, PTC, GPF); elected to DE-CIX Customer Advisory Board

Juniper Networks	Systems (Sales) Engineer -	2012.5-2013.8
Infocrossing/Wipro	Network Architect/Staff Engineer -	2010.7-2012.5
Intelepeer	Principal IP (Network) Engineer -	2009.3-2010.6
Yahoo!	Tech Lead - Senior Network Engineer -	2007.5-2009.2
Alcatel-Lucent NZ	Principal Engineer -	2006.8-2007.5
twtelecom	Lead IP Network Engineer -	2005.6-2006.7
Terremark	Lead Network Engineer -	2004.1-2005.1
Fusiontel	Senior IP Engineer -	2002.9-2004.1
USA.net	Network Engineer -	2001.3-2002.5
Various	NOC Technician -	1999-2001
United States Marine Corps Reserve	Lance Corporal -	1998-2002

certifications & affiliations

Member, NANOG	2012-Present
Member, Customer Advisory Board, DE-CIX	2014-2016
Vice President, Colorado Chapter of the Internet Society (COISOC)	2011-2016
Steering Committee Member, Rocky Mountain IPv6 Task Force (RMv6TF)	2011-2016
Juniper Networks Certified Internet Specialist (JNCIS-ENT)	2012-2015
Juniper Networks Certified Internet Specialist (JNCIS-M)	2006-2009
Cisco Certified Network Professional (CCNP)	2002-2008