

e.j. sahala (they/them)

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about me

Self-taught proactive learner with over 20 years of professional experience designing, building, and automating large scale & service provider (network) infrastructure.

education

A.A. Physics
Miami-Dade College

links

 <https://github.com/ejsdotsh>
 <https://linkedin/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

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
- 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
- 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 company-wide 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

- | | |
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| 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 |