

NICK SHORES

(951) 283-0861

nick@shoresmedia.com

<https://opsandautomation.com>

<https://www.linkedin.com/in/nshores/>

EXECUTIVE PROFILE

An experienced devops professional with a wide background in cloud, networking, security and enterprise infrastructure management. Current areas of focus include IAC, K8S, and home automation protocols in my spare time.

SKILLS AND COMPETENCIES

Scripting Languages:

- Powershell – Extensive experience using PowerShell including contributing to open source modules for various vendors.
- Python – Moderate experience using for various automation related tasks, writing simple API's, creating small tools.
- Bash – Moderate experience used for Linux System administration task when applicable.

Configuration Tooling:

- Terraform – Extensive experience in Terraform to manage Azure and vSphere infrastructure.
- Ansible – Used daily for configuration tasks on Linux servers.
- Puppet
- Packer

CI/CD Tooling:

- Azure Devops
- Git
- Github Actions

Monitoring/Alerting/Logging:

- Prometheus/Alertmanager – Extensive knowledge including rolling out implementation for monitoring microservice stack at current employment.
- Grafana – Extensive experience deploying and creating dashboards with various data sources.
- InfluxDB/TIK Stack
- Soalrwinds
- LibreNMS
- Nagios
- ELK Stack

Cloud:

- **Extensive Azure experience**
 - Azure Networking
 - VNET Design and Deployment
 - NSG Design and Deployment
 - Azure Firewalls / NVA Appliances
 - Azure VPN Gateway Configuration w/ BGP and Failover
 - Azure Compute / VM Deployment Strategy
 - Azure Automation
 - Python Playbooks and Job Design
 - Powershell Playbooks and Job Design
 - Azure Log Analytics
 - Storage Sync Service Design and implementation

- • Azure Monitoring
- • ARM Template troubleshooting and creation.
- Limited AWS Experience

Docker/Container Orchestration:

- **Docker Swarm** – Extensive experience deploying and troubleshooting in a variety of environments, using CI/CD pipelines and Ansible or other associated tooling (shell scripts, etc) to deploy and maintain docker compose stacks.
- **K8S** – Minimal experience, mainly homelab – In the process of deploying AKS at current employment and preparing for a migration from docker swarm.

Networking:

- Expert in LAN/WAN Management and administration (Including MPLS)
- Deep knowledge of common L2 concepts and protocols (VLANS , Port-Channels, Stacking/VLT/MLAG/VPC) –
- Expert in Windows Domain Administration / Active Directory / Group Policy / LDAP
- Windows Server 2012/2008/2003 Administration (WDS, File Server Roles, DNS, DHCP, FTP, WSUS, PXE)
- Remote Server Management (IDRAC, ILO)
- Working Exchange Server 2007/2010 Experience (Including Migrations)
- RAID/NAS/SAN and File Server Administration (EMC SAN, HP,Dell)- Fiber Channel and ISCSI
- Deep knowledge of Layer 3 Routing protocols (OSPF, BGP, etc)
- Experienced with Image Deployment Solutions (SCCM, KBOX, Altiris, MDT)
- Virtualization (Hyper-V, VMware, VMware View)
- Network Monitoring Systems (Whatsup, Cacti, Nagios)
- Database (MySQL, Windows SQL Server, InfluxDB)
- Wireless Networking (Aruba, Cisco)
- Firewall Administration (Sonicwall, Cisco ASA, Juniper SRX, Palo Alto)
- Dell/Force 10 Switching
- Cisco Switching and Routing

Routing/Switching/Security:

- Experience with dynamic routing protocols – OSPF/BGP/EIGRP/RIP
- Palo Alto Deployment and Administration - Including Clustering and Complex deployment scenarios involving PBF and multiple VR configuration (PA-3020,PA-500,200)
- Enterprise Firewall migration and Deployment
 - Cisco ASA
 - SonicWALL NSA Series (Including GMS for management)
 - Juniper SRX
 - PfSense / M00nWall/Various software firewalls (Including integration into virtual environments)
 - VMWare NSX (Lab-only)
- **Switching Experience (Deployment and Configuration of wide variety of topologies)**
 - Juniper EX Series
 - Cisco Catalyst Series (3650 and above)
 - HP Switches (Procurve, 5900 Series)
 - Dell Powerconnect
 - Force10
- IPsec VPN Configuration across a wide variety of vendors.
- Security auditing firewall configurations and creation of layer 7 content filtering rules.
- SD-WAN Deployment
 - Silver peak (Physical/Virtual)
- Netflow analysis / deep dives

EXPERIENCE

- **Senior Staff Site Reliability Engineer (Raleys) – Aug 2020 – Present**
 - **Works as a lead SRE to help Raleys implement modern infrastructure practices and grow the enterprise in a scalable fashion using IAC principles while reducing technical debt. Notable projects include:**
 - Implementing Infrastructure-As-Code and Git source control across multiple departments to help modernize infrastructure management.
 - Modernizing legacy bash/powershell scripts and converting to Ansible playbooks.
 - Creating Azure Devops pipelines to deploy infrastructure resources in Azure and vSphere.
 - Implementing Azure Devops CI/CD build and release pipelines to deploy and maintain Docker Swarm Clusters in Azure using Terraform and Ansible.
 - Creating process to create a consistent build images using Packer, Ansible, and Terraform across multiple environments.
 - Containerizing legacy applications.
 - Creating pipeline tooling using Powershell and Python to modernize legacy functionality delivered by bash scripts.
 - Deployed Prometheus/Grafana stack for modern alerting on Docker and container infrastructure services.
 - Deployment of a VMWare Tanzu K8S Instance as a POC to start modernizing legacy on premises workloads.

- **Senior Professional Services Engineer (DSA Technologies) – September 2013 – Aug 2020**
 - **Worked as a delivery engineer for DSA Technologies on a wide variety of infrastructure projects, migrations, and deployments for customers. Projects include**
 - Analysis of customer environments for virtualization and networking projects.
 - Expert VMWare Troubleshooting (Troubleshooting Large Clusters)
 - Exchange Migration and deployment. (2007 to 2013, 2013 DAG Array Creation, Net-New Installs)
 - Firewall installation and migration. Projects include complex firewall migrations (ASA to Palo Alto, SonicWALL to Palo Alto, Etc.).
 - Storage installation and configuration – Examples include EqualLogic Deployments, Nimble, etc.
 - Delivery of large virtualization projects and rollouts, including VMWare View 6 and VCenter. VCenter migrations, etc.
 - Delivery of networking projects – Switch Stack installation and troubleshooting, network rollouts, etc)
 - High level network troubleshooting for customers.

- **Senior EUC Consultant (VMware) – May 2016 – June 2016**
 - Worked as part of the VMware PSO team to deliver VMware EUC related projects to customers.

- **Transhumance Holding Company (Superior Farms Systems) - Network Administrator - August 2012 – September 2013**
 - Acted as the lead System Administrator for the Superior Farms LAN/WAN network. Duties include ensuring network integrity of the overall superior farms intranet, including management of virtualization infrastructure, WAN sites, and server maintenance. Major projects thus far include:
 - Created Backup Strategy for total sum of enterprise data including mail, files, and configurations of equipment.
 - Redesign of LAN infrastructure / Active Directory Structure
 - Designed and installed custom monitoring solution to ensure connectivity of all network sites.

- Core Network Redesign and various changes
- Implementation of Disaster Recovery Plan
- Complete Redesign of Group Policy
- Optimization of VPN procedures and remote site connectivity / Access / Fail Over
- Upgrade to VMWARE ESXI 5.1 and design of a fail-over cluster
- Roll out of Windows 7 to whole enterprise.
- Upgrade from Citrix 4.0 to Citrix XenApp
- Roll out of Microsoft RemoteApp.
- Streamline and optimization of software deployment.
- Ran the process of bringing several new sites into the WAN network of TransHumance.
- Created several domains with trusts in Remote VPN Sites

NETSource Consulting, Inc.

Systems Engineer September 2011 – September 2013

- Works with several clients in the greater Sacramento area providing a variety of network and systems support
- Acted as the LAN administrator for the California Department of Alcohol and Drug Programs (ADP)
 - This role entailed supporting a medium size active directory environment containing approximately forty servers and four hundred workstations. Other duties included:
 - Supporting and maintaining Windows 2003/2008 Servers
 - WSUS Patching / Software Enforcement
 - Supported a virtualized Hyper-V Server Environment
 - Managing Cisco switches and ASA firewalls
 - Working with Exchange 2007
 - Managing Backups with BackupExec and HP Storageworks devices.
 - GPO Creation and deployment
 - General Active Directory Maintenance and Support
 - Managing internal and external DNS servers
 - Network monitoring and reaction to incidents that occurred.
 - Key involvement in a major migration effort between ADP and the Department of Healthcare services
 - Was a lead in a major active directory / systems migration effort between DHCS and ADP
 - Began rolling out a windows 7 deployment solution and implementing a large scale systems upgrade.

EDUCATION

California State University of Sacramento (2011)

Bachelor's Degree in Communications

CERTIFICATIONS

AZ-100 - Microsoft

ACE 2.0 - Arista

JNCDA – Juniper

JNCIS-ENT – Juniper

JNCIA-Junos

Nimble Certified

REFERENCES

- Furnished on request.