



tobysanger.com
 Castle Rock, CO
toby@tobysanger.com
 303-656-7978

PROFESSIONAL EXPERIENCE:

Spectrum Reach, *Greenwood Village Colorado*

(Charter Communications)

Principle Engineer I - March 2022-Present

I transitioned away from my Sr. Systems Engineer duties and became the Subject Matter Expert (SME) of Automation (Puppet, vRA, GitLab, CI/CD), and the SME of Linux. I spend most of my time working through configuration/coding/issues with Puppet, vRealize, and GitLab and then also with Linux Golden Images, subscription/repo management, patching/updates, AD auth SSSD and Centrify, and Cert/DNS configurations.

Sr. Systems Engineer - May 2016-March 2022

I continued my work with FlexPod and Linux with a touch of Nutanix, but I transitioned into an automation project writing Chef cookbooks (VSC, GitLab, CI/CD, Artifactory), deploying and maintaining over 350 Linux servers (Cloudforms), managing extensive ACL requirement, and writing and maintaining scripts and configuration files.

Systems Engineer II - June 2015-May 2016

I was brought in to work on FlexPod infrastructure (VMWare virtualization, NetApp storage, UCS compute) and to deploy and maintain Linux servers. My time was spent building and maintaining the infrastructure and Linux servers/images.

Intel, *Englewood Colorado*

(Through acquisitions, the entities for which I have worked since 2006 were known as MX Logic, McAfee, Inc., and Intel Security.)

Information Systems Engineer - August 2014-June 2015

Technical Support Engineer - January 2012-August 2014

System Support Specialist - August 2006-January 2012

My time at Intel through two acquisitions started as a support specialist where I took phone calls and worked tickets for our email spam filtering product. I was promoted to Technical Support Engineer where I worked escalation tickets for the email spam filter. My last promotions took me away from the support side and into building HP and VMWare infrastructure. I built and maintained Linux servers, both physical and virtual, on that infrastructure.

TECHNICAL SKILLS:

DEVOPS:

Puppet Enterprise / Bolt / CD4PE

vRealize Automation

Chef (12/16/chefdk/workstation 21)

chef-client/chef-server-ctl

cookbooks (attr/lib/recipe/tmpl/envs)

knife/kitchen commands

berkshelf/policy file

cookstyle/rspec/inspec/rake

FEchef/OpenRC

Chef Automate (workflow/delivery)

Azure DevOps

GitLab CI/CD (git commands)

Bitbucket/Stash

JFrog - Artifactory

Terraform

(tf_modules/tf.vars/tf.state/.tf files)

Cloudforms (miqadmin/yaml file creation)

LINUX:

RHEL 6, 7, 8, 9

Centos 6, 7

Oracle Linux (RHCK) 8

SUSE 12

Workstations: **Ubuntu/Fedora/CentOS**

centrify & sssd/adcli/nsswitch
 systemctl/timedatectl/journalctl -xb
 vi/vim/bash/sed/for
 crontab
 iptables/firewall-cmd/selinux
 pki
 ssh-keygen (id_rsa/authorized_keys)
 lvm
 mount.(nfs|cifs)/fstab
 nmtui/nmcli/ip
 ntpd/chronyd
 grubby/uname/rpm
 yum/dnf/dfm/zipper/yast2/apt
 subscription-manager

INFRASTRUCTURE:

FlexPod (VMWare/UCS/NetApp)

NetApp 7-mode and CDOT

FAS8200/FAS8040/FAS8020

FAS3240/FAS3220/FAS2240-

4/C240M4

Unified Manager

Aggr/Vol/LIF

FC/FCoE and NFS SVM

CIFS/Namespace/Export Policy

ASUP

Nutanix

NX-3060-G6//NX-8035-G7/NX-8155-G7

Dell EMC XC940-24 CORE

Prism Central/Element

CALM Automation

AHV/ESXi

File Server/Shares (NFS/SMB)

Dell (Isilon H5600/Compellent SC9000/SCv2000)

DSM/OneFS/DataIQ/InsightIQ/SyncIQ

VMWare (vRA/vRO/vCenter/ESXi)

Update

Manager/BlueMedora/Zerto/Veeam

Port Groups (Standard/Distributed)

Clustering (Host/Datastore)

vMotion/Snapshots

OVA/OVF (Build/Deploy)

Data Analytics/Remote

Collector/Notifications/Alerts

UCS/UCSM/CIMC (6296 FI/5108/B200 M3/M4)

Service Profile Template/Service

Profile

WWNN/WWPN/Server Pool

Bios/Firmware/vNic/Boot

TOOLS:

Visual Studio Code
Royal TSX
MobaXterm
Wireshark
Free OTP
ESD
InfoBlox
Splunk
Signiant
Syncplicity
JIRA
Smartsheet
ChangeGear
Remedy
Zoom
WebEx
Teams
Slack
MindJet MindManager
VitalSource Bookshelf
Office (Word/Excel/Project/Visio/PowerPoint/OneNote)
WinSCP
Centrify
Venafi
VIP Access
PowerShell

CERTIFICATIONS:

Nutanix Certified Professional – Multicloud Infrastructure 6 *(Certified 2024)*
VMware Certified Associate – Digital Business Transformation *(Certified 2018)*
Data Security & Privacy 'DSP Technical' *(Certified 2010)*
Microsoft Certified Systems Administrator 2003 *(Certified 2008)*
Microsoft Certified Systems Engineer 2003 *(Certified 2008)*
Microsoft Certified Systems Administrator 2000 *(Certified 2006)*
Dell Certified Systems Expert – Associate Portable v5 *(Certified 2003)*
Dell Certified Systems Expert – Associate Desktop v5 *(Certified 2003)*
CompTIA A+ Certified Professional *(Certified 2002)*
Microsoft Certified Systems Engineer 2000 *(Certified 2001)*
Microsoft Certified Professional *(Certified 2001)*

AWARD:

Reach Elite – A Celebration of Excellence (Spectrum Reach 2022)