**PROFESSIONAL SUMMARY:**

Over 6 years of IT industry experience as a Senior Systems Engineer. Production Support of various applications **on Red Hat Enterprise Linux 7.x, 6.x, 5.x, IBM-AIX, Oracle Solaris** OS environments & AWS certified SYSOPS Admin with enterprise hands on experience on **Amazon Web Services (AWS) and Google Cloud Platform (GCP)**.

* Created Kickstart standards based on Enterprise security standards for RHEL 6 and RHEL 7 OS.
* Experience with Installation, configuration and maintenance of **Red Hat Enterprise Linux 7.x, 6.x** using kickstart server and using foreman servers.
* Experience on Redhat Enterprise Linux Server & Desktop Environment using through Virtual Machine under VMware, AWS, Red hat hypervisor.
* Certified Amazon Web Services (AWS) SysOps Administrator and also had experience in End to End management of Enterprise **Amazon Web Services (AWS)** account.
* Customized RHEL 7.6 Operating system as per Enterprise production standards and deployed it using the Kickstart server.
* Experienced in OS upgrade migration projects RHEL and IBM AIX.
* Experience in **Package management** using RPM and YUM in Red Hat Enterprise Linux.
* Hands on experience with working on the projects such as OS migrations, Physical to virtual (**PTV**) migrations and virtual to virtual (**VTV**) migrations of a server.
* Experience in installing, configuring, supporting and troubleshooting Unix/Linux Networking services and protocols like LDAP, DNS, NFS, DHCP, NAS, FTP, SSH and SAMBA.
* Experience in Installation, Configuration and Troubleshooting of various web server issues including IBM HTTP Server, Apache Web Server 2.x, Tomcat 8.x, 7.x.
* Installed and updated packages using YUM (custom YUM servers/repositories) and Red Hat Satellite Server.
* Administration, Troubleshoot, and Installation of Cyber Ark agents on the servers.
* Experience in managing Ansible Playbooks with Ansible roles, group variables and inventory files and copy and remove files on remote systems using file module.
* Experience in working with bitbucket to store the code and integrated it to Ansible Tower to deploy the playbook on integrated nodes.
* Hands-on experience on **Ansible** as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Experience in creating **Docker** Containers leveraging existing Linux Containers in addition to creating Docker Containers from scratch.
* Implemented Infrastructure automation through Ansible for auto provisioning, code deployments, software installation and configuration updates.
* Skilled in developing procedures for startup, execution, shutdown, backup, and recovery as required, and assist in determining needs for both hardware and software.
* Working experience with cloud infrastructure AWS (Amazon Web Services) and computing. This includes AMI, virtual machines on Elastic Compute Cloud **(EC2), S3 buckets, workspaces, VPCs, IAM, RDS.**
* Configured, Monitored and Automated **Google Cloud Platform (GCP)** Services as well as involved in deploying the content cloud platform using Google Compute Engine, Google Storage Buckets and created Google storage buckets and maintained and utilized the policy management of these buckets and Glacier for storage and backup on Google cloud.
* Maintained maximum uptime and maximum performance capacity for Enterprise Production, QA, and UAT/Staging.
* Excellent skills in analyzing, designing, implementing and system integration, Knowledge on Switches, Routers, & Firewalls.
* Creating and maintaining user accounts, profiles, security, rights, disk space, and process monitoring
* Experience working in **Data Centers** and supporting hardware such as SUN, Dell, Cisco, IBM and HP.
* Member of 24x7 production on-call support of open systems and provided technical support to users.
* **ITIL** working knowledge of Incident, Change, Problem and Release Management.

**TECHNICAL PROFICIENCIES**

**Operating Systems:** RHEL 7.x, 5.x, 6.x, CentOS 7.x, 6.x, IBM-AIX 7.x, 6.x, Oracle Solaris 5.10, 5.9,, and HP-UX.

**Cloud Technologies:** Certified Amazon Web Services SysOps Admin (EC2, IAM, AMI, S3, VPC, SNS, SQS, EBS, Cloud Watch), Google Cloud Platform (GCP), OpenStack

**Hardware** DELL (Power Edge), Cisco UCS B200 M3, HP (ProLiant G7&G8), IBM Blade Centre, Sun-Fire X-series and T-series Enterprise Servers, F5.

**Scripting:** UNIX Shell Scripting, Python

**Databases:** Oracle 10g/11g.

**Networking:** NFS, FTP, DNS, DHCP, Samba, Apache, SMTP, SSH, HTTP.

**WEB Technologies:** Tomcat, APACHE 2.x, Web Logic (8/9/10) & Web Sphere 4.0/5.0.

**Protocols:** TCP/IP, UDP RIP, SMTP, TELNET, SSH

**Tools**: EMC Avamar, EMC Networker, Nagios, Splunk, Ansible Tower, VMware, RMAN, Eracent, Netcool, OpenNMS, Tripwire, Cyberark, EXPDP/IMPDP, EXP/IMP, SQL Server, MS Project.

**CERTIFICATIONS:**

* **Amazon Web Services Certified Administrator - AWS SysOps Admin 2017**
* Essential Cloud Infrastructure: Foundation Google Cloud -Training Certificate
* Getting Started with Google Kubernetes Engine - Training Certificate
* Elastic Cloud Infrastructure: Scaling and Automation - Training Certificate
* Essential Cloud Infrastructure: Core Services - Training Certificate

**PROFESSIONAL EXPERIENCE**

**Sr Systems Engineer (Cloud Engineering Team)** May 2016 - Present

**Altice USA**

**Plano, TX**

Altice USA, Inc. is an American cable television provider/multiple system operator with headquarters in New York City, with broadband, pay television, telephone services, Wi-Fi hotspot access, proprietary content and advertising services to approximately 4.9 million residential and business customers in 21 states.

**Responsibilities:**

* Installation of **Red Hat Enterprise Linux 7.x, 6.x, 5.x, IBM-AIX, Sun Solaris, HP-UX, Windows Servers OS** on virtual and physicalbased serversindevelopment, test and production environments.
* Administration of 4000+ servers, which include 2500+ Linux virtual servers, 1000 Windows Virtual Servers and 500 Linux Physical Servers.
* Worked on the RHEL 7 Operating system as per AlticeUSA production standards and set it up to deploy using kickstart.
* Hands on involvement in Amazon Web Services (AWS) provisioning and great information of AWS administrations like EC2, S3, Glacier, ELB (Load Balancers), RDS, SNS, SWF, and EBS and so on.
* Worked on multiple AWS instances set the Security group, Elastic Load balancer and AMI's.
* Creating S3 buckets and also managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.
* Configured, Monitored and Automated GCP Services as well as involved in deploying the content cloud platform using Google Compute Engine, Google Storage Buckets and created Google storage buckets and maintained and utilized the policy management of these buckets and Glacier for storage and backup on Google cloud.
* Created New projects in GCP which includes resources such as servers, storage, keys, Identity access management (IDM), Datasets in BigQuery, Cloud Load Balancing, Cloud VPN and Cloud SQL.
* Installed and Configured Sysedge monitoring agent for all the Servers to Communicate to OpenNMS and IBM Netcool which are used for monitoring the servers.
* Deployed Zabbix agents across the development, UAT and production servers using ansible playbooks with the help of ansible tower.
* Supporting virtual Environments of Vmware Vsphere to access Vcenter, Red hat Hypervisor, and IBM LPARS.
* Managing Ansible Tower, Adding Servers to the Ansible repository and deploying the configurations through Ansible Tower.
* Creating and maintaining user accounts, profiles, security, rights, disk space, and process monitoring.
* Performing System Storage management/LVM tasks like creating volume groups, PV’s, LV’s and mounting file systems.
* Managed user accounts for the Red hat portal access and also registered all the servers with Redhat satellite.
* Performing Data Backup recovery of filesystems using EMC Networker Software.
* Creating Virtual Machine Profiles in Vcenter Server, allocating storage and installing Red hat Linux Systems.
* Installation, upgradation and maintenance of Asset Management tool Eracent.
* Developed shell scripts to automate the jobs and maintain standard Operating Procedures for the team.
* Installation, Configuration and maintenance of HP Server Automation agents on various types of Linux Operating systems and also migrated all the servers from OPSWARE 7.x to HP Server Automation 10.x.
* Build Safes and add servers into the safes as needed. Troubleshoot and fix all problems that arose in Cyber Ark due to ill-usage of the cyber ark from different users.
* Implemented Infrastructure automation through Ansible for auto provisioning, code deployments, software installation and configuration updates.
* Implemented Ansible to manage all existing servers and automate the build/configuration of new servers.
* Worked on Ansible and Ansible Tower to automate repetitive tasks, to deploy critical applications quickly, and proactively manage the changes.
* Wrote Ansible Playbooks in YAML to manage Configurations, Orchestrations and deployments to remote machines.
* Worked on creation of custom Docker container images, tagging and pushing the images.
* Worked on creating the Docker containers and Docker consoles for managing the application life cycle.
* Virtualized the servers using Docker for the test environments and dev-environments needs, also configuration automation using Docker containers.
* Responsible for the development of Docker images on internal suite of hardware platforms.
* Utilized Docker to implement testing / production environment for use with existing
architecture
* Performed Linux deployments utilizing AWS CLI with scalability in Amazon Web Services (AWS).
* Used VxVM to add disk, create new disk groups/volumes, resize, deport and import disk groups between servers.
* Managing the LDAP server through active Directory and creating the centralized access for the users.
* Installed SSL certificates on all the websites hosted by company.
* Maintained maximum uptime and maximum performance capacity for Enterprise Production, QA, and UAT/Staging
* Creating MySQL DB instances and performed basic MySQL database administration.
* Expertise in creating VM Templates, cloning and managing Snapshots in VMware, AWS and GCP.
* Configured Network and troubleshooting network problems such as TCP/IP, providing support for users in solving their problems.
* Installation and configuration of web hosting administration such as **FTP, SSH, RSH, Telnet**, and **HTTP**
* Performed in installing, configuring and trouble-Shooting web servers like HTTP Web Server, Apache Web Server, Websphere Application Servers, and Samba Server on Linux (Red hat & CentOS). Automation scripts for weekly and monthly backups in shell.
* Performed documentation of Linux and Windows environment and configuration details including documentation of solutions for any issues that have not been discovered previously.
* Maintenance on systems by timely upgrading Patches to the systems and applications, Scheduling of batch jobs and cron jobs.
* Provided 24x7 on-call / Remote Support for LINUX Production Problems on weekly rotation basis.
* Troubleshooting day-to-day server related issues and problems using the Service Now Ticketing System.

**Sr Linux Systems Administrator**  Dec 2015 – Apr 2017

**Prowess IT Solutions LLC**

**Metuchen, NJ**

**Responsibilities:**

* Installation of Red Hat Linux EL 6.x, 7.x based servers using Kickstart and Foreman in development, test and production environments.
* Worked on Virtualizing RedHat servers using vSphere 5.0/6.0 and managed ESX servers using VCenter and also worked with ESX Cluster and vMotion.
* Proactive maintenance on systems by timely upgrading Patches to the systems and applications, Scheduling of batch jobs and cron jobs for UNISON to run timely.
* Installed and configured of SAMBA utility software for sharing files with Windows hosts
* Creating and configuring Load Balancers and Updating SSL certificates for load balancers.
* Configuration and administration of Fibre card Adapter’s and handling of SAN (SAN arrays, HITACHI, EMC).
* Experience working with Docker containers, building images and running the containers using Gradle tasks and pushing Docker hub.
* Working with linking the Docker containers.
* Writing puppet manifests to install and updating configurations related to OS and Applications.
* Experience in writing scripts to automate jobs and debugging scripts.
* Define/setup network protocols, Network File Services (NFS), and Network Information Services (NIS) in Linux.
* Configured Network and troubleshooting network problems such as TCP/IP, providing support for users in solving their problems.
* Performed all LVM and file system tasks like creation of Logical volume and file system, mount a file system, modifying size of a Logical Volume and file system, Removing a file system.
* Created RAID 1, 01 configuration on hardware RAID devices and RAID10, 5 using SVM, LVM, VxVM
* Performing System Storage management/LVM tasks like creating volume groups, PV’s, LV’s and ext3/ext4 Filesystems, mirroring, VG’s, LV’s and mounting xfs/ext3/ext4 filesystems.
* Managed System Firewall utilizing IP Chains, IP Tables. Implemented SSH SSL.
* Managed user disk usage by setting up quotas.
* Administered system logs and security logs.
* Creating Virtual Machine Profiles in Vcenter Server, allocating storage and installing Redhat Linux using kickstart.
* Administered Linux servers for several functions including managing Apache/Tomcat server, mail server, My-SQL database, and firewalls in both development and production.
* Performed documentation of Linux and Windows environment and configuration details including documentation of solutions for any issues that have not been discovered previously.

**Sr Linux Systems Administrator**  2013 – 2014

**Prowess IT Solutions LLC**

**Karnataka, India**

**Responsibilities:**

* Working on building and configuring the Enterprise Linux Operating systems and windows servers
* Working on deploying and configuring monitoring tool Nagios.
* Installation and support of various applications like WebLogic server 10, WebSphere 6.1 JBoss 4.x, Apache 2.x, Oracle 9i, 10g, MySQL.
* Responsible for provisioning, maintaining and improving upon server infrastructure, split between physical datacentre and VMware.
* Administration of Web Application Servers and performing tunings for better performance.
* Performed OS, Network tunings on the Apache and Nginx web servers.
* Performed VMotion based on the Esxi health checks.
* Constructed a variety of internal monitoring/investigative tools using Java and PHP, in my spare time; and maintained other internal tools written in Python and Shell.
* Troubleshooting and performance tuning of various systems problems
* Respond to emergency calls relating to server performance, diagnosis of problems, repairing problems or calling upon appropriate vendors to resolve the issue.
* Responsible for quality reviews and standards.
* Expertise in Red Hat Linux backup/restore with tar including disk partitioning and formatting.
* Provided 24x7 on-call / Remote Support for LINUX Production Problems on weekly rotation basis.
* Troubleshooting day-to-day server related issues and problems.

**EDUCATION**

**Master of Engineering**  2015

Lamar University, Texas, USA