# Professional Summary

* Around 8 year of experience specialized in System Administration working on Red hat Linux, AIX, CentOS, and Windows environments.
* Experience in administering VMware Infrastructure Client 3.5 and VSphere 4.0 and 5.0.
* Creating Linux Virtual Machines using VMware Virtual Center, creating VM Templates, and troubleshooting all Virtualization related issues.
* Developed and maintained Perl/Shell scripts for build and release tasks.
* Experience in Installing, upgrading, and configuring Red Hat Linux 5.x, 6.x, 7 using Kickstart Servers and Interactive Installation.
* Worked with Database administrators to tune kernel for Oracle installations.
* Experience in installation and management of network related services like DNS, Apache, LDAP, SAMBA, HTTPD, VSFTP and SMTP.
* Installed and updated packages using YUM and managed packages through Red Hat Satellite Server.
* Experience in Utilizing AWS Cloud services such as EC2, S3, IAM, Route53, RDS, VPC, LAMBDA, SQS, SNS, EKS, Load Balancers, CloudWatch, API Gateway, etc.
* Involved in installing Puppet client on Red hat servers for Automation purpose.
* Experience in configuring Apache for JBOSS domains with virtual servers.
* Experience in planning, implementing, and relocating to a new data center.
* Installation and up gradation of Packages and Patches configuration management, version control, service pack. & reviewing connectivity issue regarding security problem.
* Deployed and monitored scalable infrastructure on Amazon Web Services (AWS) & configuration management using Ansible.
* Good knowledge of RAID groups and setting up NFS, CIFS and iSCSI protocols in SAN/NAS environment on Red hat LINUX.
* Wrote SQL, PL/SQL, SQL Plus programs required to retrieve data using cursors and exception handling
* Experience in configuration of DNS, DHCP, NFS, LDAP, SAMBA, SQUID, postfix, sendmail, ftp, remote access, security management and Security trouble shooting skills.
* Experience in Installation of Oracle and MYSQL.
* Experience on container management tools Docker, Mesos and Kubernetes. Also used to manage clusters of nodes using dokerswarm, compose, DC/OSand kubernetes clusters.
* Experience writing shell scripts to automate the administrative tasks and management using cron and at.
* Responsible for build and deployment automation using Docker and Kubernetes containers and Chef
* Wrote Python and batch scripts to automate the ETL scripts runs every hour.
* Unit test python library was used for testing many programs on python and other codes.
* Experience in SPLUNK UI/GUI development & operations and able to debug expensive search queries.
* Experience in Installing Firmware Upgrades, kernel patches, systems configuration, performance tuning on Unix/Linux systems.
* Used Kubernetes to manage containerized applications using its nodes, ConfigMaps, selector, Services and deployed application containers as Pods.
* Deploy, configure and maintain computation on Azure cloud.
* Automate deployment and troubleshoot mechanism for quick service.
* Experienced in Writing Chef Recipes to automate our build/deployment process and do an overall process improvement to any manual processes.
* Experience in reviewing python code for running the troubleshooting test-cases and bug issues.
* Understanding Python files in openstack environment and make necessary changes if needed.

 Wrote Python and batch scripts to automate the ETL scripts runs every hour.

* Unit test python library was used for testing many programs on python and other codes.
* Experience in planning, consulting, technical analysis and implementation of Linux Servers in new data centers.
* Team player with good management, analytical, communication and interpersonal skills.

# Certifications

AWS Certified Solutions Architect – Associate.

Microsoft Certified Azure Fundamentals- AZ 900.

# Technical Skills

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| **Operating Systems:** | RHEL 4/5/6/7, Oracle Linux 7, Suse 10,11,12, Oracle Linux 7, IBM-AIX 5,6,7 Windows 2008, 2012 r2, 2016, 2019 |
| **Hardware:** | HP ProLiant, Blade Servers, HP ProLiant DL 380 G6/G7/G8/G9, DL 580/680 DL-G5/G6/G7/G8/G8p, DELL R710/910/920, SGI UV 300 /HPE MC990X |
| **Third Party Tools:**  | Veritas Volume Manager, Logical Volume Manager, RAID, Veritas Cluster, RedHat Cluster, VMware ESX Technologies, Jenkins, GIT, AppDynamics, Splunk |
| **Web/ Application Server:** | Apache, Tomcat DB2, Oracle. |
| **Monitoring Tools:** | SolarWinds, Nagios, AppDynamics, Splunk |
| **Cluster Environment:** | RedHat Cluster - RedHat 5, RedHat 6 and RedHat 7 |
| **Programming Languages:** | Perl, Yaml, Shell and Python |
| **Cloud** | AWS,Azure |
| **Configuration Management** | Puppet, Ansible. |

# Professional Experience

**Client: State Farm Mutual Automobile Insurance Company Oct 2016 – Till Date**

**Role: DevOps/Linux Systems Engineer**

* Working on Setting up Infrastructure as a Service (IAAS) platform to deploy virtual servers for business partners as per their needs.
* Conduct deep dive technical meetings with Server and Application areas Enterprise wide to ensure all the requirements are aligned with Migration strategies.
* Evaluate and leveraging software solutions for new Next Gen Network and align server deployments to the new network layout.
* Provisioning, configuring and monitoring Physical and Virtual Linux servers with RHEL (6&7) and CentOS 7 by using cloud resource management tool(CRMT) and foremen. UBUNTU
* Automate application configurations and various OS specific tasks using Ansible and scripting.
* Create and manage users using LDAP and Active Directory.
* Work with Server Type Owner (STO) and Application teams by gathering existing Linux server configurations for Assessment meetings and capacity planning.
* Coordinate with Application/Server/Database Owners and perform Production of Application and Data from Legacy Data Centers to New Data Centers.
* Build, Administer, Troubleshoot, and maintain both Windows, Linux physical and virtual servers.
* Create file systems and perform Data copy and RSync on Servers residing in the same data center and cross data centers.
* Experience in creating VMware templates and cloning VMs and Patching the ESX/ESXi hosts by using VMware Update Manager.
* Work on Puppet to create puppet profiles and puppet classes to automate Application installation process.
* Implement change tasks to configure, build, deploy and conduct migration of servers, applications, and databases to ensure the traffic is cut over to the new data centers without any issues.
* Validate, verify, and analyze Storage requirements to accommodate storage for generic Linux/Windows Servers as well servers that utilize Site Recovery Manager (SRM) to protect and replicate data in a multi-site model.
* Creating VMware template and cloning VMs and Patching the ESX/ESXi hosts by using VMware Update Manager.
* Ability to administer Ubuntu Linux and other flavors of Linux – Bash/Shell scripting.
* Analyzing and fixing the bugs and installing patches on Nginx Web Server.
* Use Jenkins to perform continuous integration and monitor version control build process.
* Conduct Data Migration, Application Migration, and remediation activities during maintenance hours.
* Provide support to troubleshoot issues caused due to migrations, builds, network connectivity, database connectivity, firewall port configurations, Storage Area Network issues and work with teams to capture issues and their resolutions into Technical documentation.
* Validate the Network traffic, usage of legacy servers and ensure to decommission the unused Servers to save licenses and resources for client.
* Perform windows migration and upgrades from 2012 to 2016 and from 2016 to2019 versions.
* Provisioning the windows server including STC creations and DSC records for security access.
* Configuring Operating system parameters as per the application requirements and helping product owners to successfully deploy their applications.
* Ensured full and incremental data backups were successful, performed data restore for users as needed.
* Analyze and perform Production Active Cold Server Replication Remediation of thousands of servers cross Data Centers.
* Implemented CI/CD pipelines in Jenkins for AMI builds and other processes.
* Implemented Continuous Integration using Jenkins and GIT from scratch.
* Used IAM for creating roles, users, groups and implemented MFA to provide additional security to AWS account and its resources.
* Proficient in AWS services like VPC, EC2, S3, ELB, Autoscaling Groups (ASG), EBS, RDS, IAM, CloudFormation, Route 53, CloudWatch, CloudFront, CloudTrail.
* Created S3 buckets in the AWS environment to store files, sometimes which are required to serve static content for a web application.
* Possess good knowledge in creating and launching EC2 instances using AMI’s of Linux, Ubuntu, RHEL, and Windows and wrote shell scripts to bootstrap instance.
* Responsible for performing tasks like Branching, Tagging, and Release Activities on Version Control Tools like SVN, GIT.
* Created NAT gateways and instances to allow communication from the private instances to the internet through bastion hosts.
* Deployed infrastructure as code using terraform on AWS utilizing ECS clusters, RDS (Managed Relational Database Service), VPC and Managed Network and Security, Route 53, Direct Connect, IAM, Cloud Formation, AWS Ropeworks (Automate operations), AWS S3, Glacier (Storage in the cloud) and Cloud Watch Monitoring Management

**Client: System Soft Technologies LLC March 2015 – Sep 2016**

**Role: Unix/Linux Systems Administrator**

* Administration of RHEL 5.x, 6.x which includes installation, testing, upgrading, and loading patches, troubleshooting both physical and virtual server issues.
* Experience in Package Management using RedHat RPM/YUM and RedHat Satellite server and Kernel upgradation in RedHat Linux and CentOS servers.
* Installing, configuring, and troubleshooting Apache 2.2.x web server on RedHat Linux and Sun Java System Web Server 6.x, 7.
* Involved in supporting Apache, Apache Tomcat, and generated SSL keys for renewing SSL certs on web servers.
* Installation and configuration of MySQL 5.7 database instances.
* Setup, Implementation, Configuration, documentation of Backup/Restore solutions for Disaster/Business recovery of clients using TSM backup on UNIX & Red hat Linux platforms.
* Installation, configuration, and upgrade of Apache, JBOSS, Web sphere, MQSeries, Oracle & IBM Databases on the RHEL and OEL Linux Systems manually and through Puppet.
* Creating puppet deployment environment and creating puppet manifest.
* Register puppet as a solution instance and importing puppet classes and services.
* Working with configuration management tools like puppet to implement/maintain puppet manifests for configuring and automating the process of setting up tools/libraries in Virtual machine server environment.
* Work specifically with Linux track to support, build scripts, puppet modules and build cycle.
* Data Collection, such as Sync data and configuration (firewall, users, access, special configuration) etc.
* Creating VM templates and cloning VM’s. Patching ESXi hosts by using VMWare update manager.
* Patching and upgrading MySQL database applications and java applications on servers.
* Experience in provisioning settings for VMware virtual machines like adding disks, memory management.
* Experience in implementing automatic provisioning of storage disks to both physical and virtual servers.
* Experience in applying package installations to existing Linux servers using yum servers.
* Experience in joining Linux servers to active directory (AD), LDAP domains in both test and production.
* Created user roles and Groups for securing the resources using local operating System authentication and in VAS.
* Installed, configured, cloned VMs on VMware 5, vSphere 4.0, configured ESX hosts, adding datastores to ESX hosts, creating Vswitches, templates, migrating VMs across ESX hosts.
* Deployed and monitored scalable infrastructure on Amazon Web Services (AWS) & configuration management using Puppet.
* Troubleshoot various systems problems such as application related issues, network related issues, hardware related issues etc.

**Client:Multibyte Technologies Inc. Hyderabad, INDIA Jun 2013 – Dec 2014**

**Role: Linux Systems Administrator**

* Installation and administration of RHEL 5.5, 6 and Cent OS 5.
* Configured kickstart server and updating/applying patches to the servers using Red Hat Satellite server.
* Remote system administration using tools like SSH, Telnet, and Rlogin.
* Planning and implementing system upgrades including hardware, operating system, and periodical patches.
* Configuring, administering, and troubleshooting of NFS, AutofS Direct and Indirect Maps, NIS master, slave and client and DNS in multi-platform networks
* Applied appropriate support packages/patches to maintain system integrity.
* Performed capacity analysis, monitored, and controlled disk space usage on systems.
* Monitored system activities and fine-tuned system parameters and configurations to optimize performance and ensure security of systems.
* Pushing files, updates using CFEngine.
* Creating profiles, manifests for new servers, and pushing them to servers using puppet.
* Responsible for maintenance of development tools, utilities and to maintain shell, Perl automation scripts.
* Creating virtual machines using Xen and deploying OS, managing hardware.
* Creating, installing, WebLogic Application servers, deploying WAR, JAR files on them installed on both Linux, Solaris servers.
* Maintained around 500+ Linux servers and 200+ AIX servers.
* Installing, configuring Jboss 4.3 on Linux, Unix servers, integrating it with Apache server.
* Monitoring of various services using Service Management Facility and Service Administration.

# Education

* **Master’s in information systems Campbellsville university, USA. (July 2017 – March 2019).**
* **Master’s in computer science, Virginia International University, USA. (Jan 2015 – May 2016).**
* **Bachelor’s in computer science engineering, J.N.T.U – Kakinada University, India. (2010 - 2014).**