**Venkateshwar K** 

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[**LinkedIn**](https://www.linkedin.com/in/venkateshwarr/)

AWS Solutions Architect with 7+ years of professional experience which includes Cloud/DevOps Engineer, Systems Engineer, Cloud Migration, Cloud automation, Cloud Infrastructure, Build/Release Management, Linux Administrator and Cloud Management.

***PROFESSIONAL SUMMARY***

* Expertise in building infrastructure on AWS Services on **Custom VPC,** **EC2, S3, EBS, IAM, Route53, Load Balancer, Lambda, Elastic Beanstalk, Redshift, Kinesis, EMR, AWS Auto Scaling** and security practices like **IAM**, **Security Groups, Network Access Control Lists, GuardDuty, Certificate Manager, Key Management Systems (KMS), CloudWatch, Cloud Front, CloudTrial and Direct Connect.**
* Experience in changing over existing **AWS** infrastructure to Serverless architecture (**AWS Lambda**, **AWS Kinesis**) through creating Serverless Architecture using **AWS Lambda**, API gateway, **Route 53**, **S3** bucket.
* Experience in Managing security groups on **AWS**, focusing on high-availability, fault tolerance, and **auto-scaling** using **Terraform** templates. Along with Continuous Integration and Continuous Deployment (**CI/CD**) with **AWS Lambda** and **AWS Code Pipeline**.
* Experienced in ​**migrating** on premise applications using ​**Terraform, terraform cloud, terraform VAULT** and ​**ARM templates** and used ​**Azure Site Recovery** and ​**Azure backups** for migrating storage to ​**Microsoft Azure SQL Server** and deployed **Azure IaaS**​ virtual machines and Cloud services PaaS role instances into secure Subnets and Virtual Network.
* Expertise in Architecting and Implementing Azure Service Offering, such as Azure cloud services, Azure storage, IIS, **Azure Active Directory (AD)**, **Azure Resource Manager (ARM)**, Azure **Blob Storage**, **Azure VM**s, SQL Database, **Azure Functions**, **Azure Service Fabric**, **Azure Monitor** and **Azure Service Bus, Azure search**, **Azure DNS**, **Azure VPN** Gateway, and Notification hub.
* Extensive experience in **Azure compute services**, **Azure Web apps**, **Azure Data Factory**, **Azure Media**, **Content delivery**, **PowerShell,** **Azure Networking**, **Azure Hybrid Integration**, **Azure Identity Management**.
* Strong knowledge on Google Cloud Platform (**GCP**) **Compute Engine**, **Kubernetes** Engine, **App Engine**, **Cloud Functions**, Datastore, **Bigtable** and Cloud storage services. Hands on experience in cloning an OpenStack mini-Cluster in GCP Compute service.
* Experience in working with container-based deployments using **Docker**, **Docker images**, **Docker file**, **Docker Hub**, **Docker Compose** and **Docker registries**. Handled large volumes of container clusters with **Docker swarm**, Kubernetes.
* Proficient in creating **Docker images** using **Docker File,** worked on Docker container snapshots, removing images, managing **Docker volumes,** and implemented **Docker automation** solution for **CI/CD** model.
* Expertise in Implementing a production ready, **highly available**, fault tolerant **Kubernetes** infrastructure. Working on Scheduling, **deploying** and managing **container** replicas on a **node cluster** using **Kubernetes**.
* Experience in Building and deploying the application code using **CLI** of **Kubernetes** like **kubectl**, **kubelet**, **kubeadm**, **Kubespray** and Schedule the jobs using **kube-scheduler**. Managed **K8s** charts using **Helm** and created reproducible builds of the **Kubernetes** applications.
* Strong knowledge on **Ansible Roles**, inventory, **Ansible Tower**, **Ansible Galaxy** concepts and used **Ansible Control server** to deploy plays and playbooks to the machines and systems in the inventory.
* Experience in creation and deployment of a tool to automate branch and project creation in **GIT** using **Groovy** in **Jenkins** file and automating with **Chef** and **Ansible**.
* Proficient in automating build and configuration process using tools like **ANT**, **Maven**, **Gradle**, **Jenkins/Bamboo** and **Chef/Ansible**.
* Expert in Setting up **Continuous Integration (CI**) by configuring Build, Code, **Deploy** and test automation Jobs in **Jenkins** for different applications and in creation and **deployment** using Codeship to automate branch & project creation in **GIT** using (**Groovy** language) in **Jenkins** file and automating (using **Ansible**).
* Proficient in implementing **Chef** Recipes for Deployment on build on **internal Data Centre Servers** and reused modified same **Chef** Recipes to create a Deployment directly into Amazon **EC2** instances.
* Professional in **deploying** and configuring **Elasticsearch**, **Logstash**, **Kibana** (**ELK**) and **AWS Kinesis** for log analytics and skilled in **monitoring** servers using **Nagios**, **Splunk**, **AWS CloudWatch**, **Azure Monitor, Prometheus, Grafana** and **ELK**.
* Proficient in automating the build and deployment process in various environments by writing automation scripts using **Python, Ruby, Perl, YAML, Shell, PowerShell, Bash**.
* Proficient in managing the source code control of multiple development efforts using **GIT/GITHUB**, **JIRA**, Subversion **(SVN)**, **GIT**, **Bitbucket,** Knowledge on **TFS (Team Foundation Server)**.
* Experience in building enterprise Applications and Distributed Systems using technologies such as **Core Java**, **J2EE (Servlets, JSP, JSF, EJB, STRUTS, Hibernate, SPRING, Swing, JDBC, EMS)** and **XML**.
* Experience in working with SQL databases like **MySQL**, **SQL Server** and NoSQL databases like **MongoDB**, **DynamoDB** and **Cassandra**.
* Expert in deploying code through web application servers like **Apache Tomcat, Apache web server, WebLogic, JBoss, WebSphere, Nginx**.
* Experience in installation and management of network related services like **TCP/IDP, FTP, SSH, DNS, LOAD BALANCING, SMTP, DHCP, NIS, NFS** and other network services.
* Monitored the **UAT/Production Environments** for any downtime issues by performing regular **CRON** job updates in Windows servers.
* Expertise in **LINUX/UNIX** system builds, administration, Installations, Upgrades, Troubleshooting on different distributions such as **Ubuntu (16/14/13/12)**, **Debian**, **CentOS (7/6/5)**, **Red Hat (7/6/5/4)**, **RHEL**.
* Worked with project development teams following **Agile & Waterfall** methodologies that design source code branching, release life cycles and CI/CD pipelines based on pace and project deliverables.

***TECHNICAL SKILLS:***

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| --- | --- |
| **Cloud Environments** | AWS, Azure, GCP, OpenStack, PCF, OpenStack |
| **Infrastructure as code tools** | Terraform, AWS CloudFormation, Azure Resource Manager (ARM), Ansible. |
| **CI/CD Tools** | Jenkins, Bamboo, Terraform, CloudFormation |
| **Configuration Management Tools** | Chef, Puppet, Ansible, Ansible Tower, Chef Automate |
| **Containerization Tools** | Docker, Kubernetes, Docker swarm, Docker weave, Openshift |
| **Virtualization** | VMWare ESX/ESXi, Windows Hyper-V, Virtual box, Vagrant |
| **Operating Systems** | Linux (RedHat 4/5/6/7, CENTOS), Ubuntu 12/13/14 |
| **Web Servers** | Apache HTTP 2.x ,3.x, Nginx, Apache Tomcat |
| **Database** | AWS RDS, Aurora, DynamoDB, MongoDB, MySQL, MS SQL SERVER |
| **Scripting languages** | Bash/Shell, Python, Ruby, power shell, JSON, YAML, Groovy, Perl, Java, JavaScript. |
| **Networking/Protocol** | DNS, DHCP, SMTP, HTTP, SNMP, TCP/IP, OSI, Firewalls, Switches, Route table. |
| **Version Control Tools** | GIT, GitLab, CVS, SVN, Bit Bucket, GitHub. |
| **Monitoring Tools** | Nagios XI, CloudTrail, Grafana, Prometheus, Splunk, Cloud Watch, ELK, New Relics |
| **Application Servers** | Oracle Web Logic (8/9/10), IBM Web Sphere (4/5), JBOSS |

**Certifications:**

AWS Solution Architect- Associate

**Sr. Cloud/ DevOps Engineer:**

**Vanguard, Malvern, PA Jan 20- Present**

* Implemented Large Scale Cloud Infrastructure using **AWS** resources - **IAM**, **Elastic IP**, **Elastic Storage**, **Auto Scaling**, **VPC**(**NAT**, **Peering**, **VPN**), **EC2**, **EBS**, **APIs**, **ELB**, **Route53**, **RDS**, **SES**, **SNS**, **SQS**, **OpsWorks**, **Red Shift**, **Glacier**, **RDS**, **CloudFront**, **KMS**, **S3**, **Elastic Map Reduce** (**EMR**), **Lambda**, **AWS IoT**, **LAMBDA** (**Server less**), **Elastic Beanstalk**, **ECS**, **EKS**, **Cloud Trail**, **API Gateway**, **Snow Ball**.
* Redesigned a list management system to run as a scalable micro service within the **Amazon cloud** (**AWS**) using **Amazon Kinesis** and **Lambda**. Used **Bash** and **Python**, included **Boto3** to supplement automation provided by **Ansible** and **Terraform** for tasks such as encrypting **EBS** volumes, backing **AMIs** and scheduling **Lambda** functions for **AWS tasks**.
* Provided **Systems Administration** support for various **AWS** services and established, contributed and maintained system security standards, **Lambda**, **AWS Firewall**, **Security Hub**, **IAM** Configuration Experience, **IAM Service Control Policies (SCP**), **IAM Users**, **Roles**, and **Security Policies**, **AWS SSO**, **AWS Service Endpoint Policies (S3, EBS, Route 53).**Worked on analyzing pattern requirements, created user stories, sub-tasks, distribute story points, expected hours for the subtasks on **JIRA** and developed **Python** and **shell** scripts for automation of the build and release process.
* Provisioned **EC2** instances using **Terraform** and **cloud formation**, wrote new plugins to support new functionality in **Terraform**.
* Setup **GCP Firewall** rules to allow or deny traffic to and from the **VM's** instances based on specified configuration and used **GCP** cloud **CDN (content delivery network)** to deliver content from **GCP** cache locations drastically improving user experience and latency.
* Worked on **google cloud platform (GCP)** services like **compute engine**, cloud load balancing, **cloud storage**, **cloud SQL**, stack driver monitoring and cloud deployment manager.
* Developed **ETL** pipelines to process and persist company client data using **AWS Kinesis** **Firehose** for streaming and **Redshift** for **storage** and **analysis**. Used **AWS** **Kinesis Stream** and **firehose** for streaming the data from one end to the other.
* Worked in **Azure Development** and **Azure Compute Services**, worked on **Azure Web Applications**, **Azure SQL** Database, **Content Delivery Network**, **Virtual machines**, **Azure Active Directory**, **Key Vault**, **Azure VPN** Gateway, **Azure Fabric**, **Azure search**, **App services**, Notification hub.
* Created **Azure Resource Manager (ARM)** templates with JSON for deployments and managed **Azure Virtual Networks (VNETs)**, **Storage Containers**, **DocumentDBs**, **Cosmos DBs** and **Monitored logs** using KUDU. Implemented idea of secret management for micro services and creating service and ingress rules for each micro service. Worked on setting up the **Kubernetes** sandbox on **Azure Kubernetes Services (AKS)** for testing the different features.
* Integrated **Docker** with **Jenkins** using **CloudBees Docker plugin** to automate container deployment. Wrote Docker files in **YAML** for managing the whole life cycle of multi container applications.
* Managed **Kubernetes** charts using **Helm** and Created reproducible builds of the **Kubernetes** applications, managed **Kubernetes** manifest files and Managed releases of **Helm** packages.
* Used **Bash** and **Python**, to supplement automation provided by **Ansible** and **Terraform** for tasks such as encrypting EBS volumes backing AMIs and scheduling **Lambda** functions for routine **AWS** tasks.
* Written **Ansible** playbooks in **YAML** to manage docker images from the registry, create **IAM** policies and attach to users, generate SSL certificates to users, configure web servers, authentication.
* Automated the cloud deployment using **Chef** and **AWS Cloud Formation**. Used **Chef** for unattended bootstrapping in AWS.
* Developed a pipeline job in **Jenkins** to provide API access to a private repo and deploy the artifact to **EC2 instance**.
* Integrated AWS with other systems like **Jenkins, Chef** and HP service Manager to develop **CI/CD** pipelines for automating Prod deployments using REST APIs.
* Developed and maintained the continuous integration and deployment systems using **Jenkins**, **Maven**, **JBoss** and **Jfrog Artifactory**. Developed build using **MAVEN** as build tool and using **Jenkins** to kick off the builds to move from one environment to other environments.
* Built code using **Maven** and stored in **BitBucket**. Approval and merging of code from feature branch to develop branch and used **BitBucket** act as **Git** **repo** and created pipelines to store the artifacts in **Nexus** repository.
* Created and Implemented branching and merging strategy with multiple branches and used **GIT** as source code management repository to keep track of version changes.
* Wrote **Python scripts** using the **Boto3** library to automatically spin up the instances in **AWS EC2** and OpsWorks stacks and integrated Auto scaling with configured **AMI’s**.
* Built **Elastic search**, **Log stash and Kibana (ELK)** for centralized logging and then store logs and metrics into S3 bucket by triggering **Lambda** function
* System log and **Cloud Trail** collection using **Splunk** including **Splunk** installation, collector configuration and multi-indexer setup on Production Environment.
* Generated reports using **JIRA** for creating projects, assigning permissions to users and groups for the project & created mail handlers and notifications schemes for **JIRA**.
* Set **CRON** Jobs to download daily backups of critical services to on-premise using **AWS CLI**. Used **AWS** API Gateway to make **RESTFUL API** calls to **DynamoDB**.
* Created, deployed, and managed **Linux** and **windows** **VM** using **Red** **Hat** Enterprise Virtualization Manager, which includes moving and migrating **VM** from one cluster to another cluster or within the same cluster.
* Manage users and groups in **Solaris & Linux** servers to create, modify and delete users/groups and troubleshooting user related issues and involved in Troubleshooting **Linux** Systems identifying Hardware, software (both OS and Application level) and **networking** issues.

**Environment**: *Amazon Web Services (AWS) (EC2, CloudFront, Cloud Watch, RDS, ELB, EBS, S3, Route53, SNS, SQS, KMS, Cloud Trail, IAM, Cloud Formation, Virtual Private Cloud (VPC), LDAP, Terraform,) GIT, Jenkins, Chef, Ansible, ELK RedHat Linux, Docker, Bash, shell, Python, Tomcat.*

**Sr. Cloud/ DevOps Engineer**

**T-Mobile, Bellevue, WA Aug 2019- Dec 2019**

* Performed implementation of the **Azure** Operations dealing with **IAAS infrastructure** (**Azure VMs, Virtual Networking, Azure services, Website Deployments**) and deployed application as **PaaS** (Websites, Web Roles and Worker Roles). Expertise in deploying **Azure AD** connect, configuring **ADFS** installation using **Azure AD** connect.
* Used **Azure Express Route** to set up a private connection to Microsoft cloud services such as a **Microsoft Azure** and **Dynamic 365**.Configured **Azure Virtual Networks**, **subnets**, **DHCP** address blocks, **Azure network settings**, **DNS settings**, security policies and routing. **Azure API** Management, Security, **Cloud-to-Cloud Integration** (Public, Private)
* Involved in migrating SQL server database to **SQL Azure** database using **SQL Azure migration** wizard and used **Python API** to upload agent logs into **Azure blob** storage.
* Worked on **Serverless services**, created and configured **HTTP** Triggers in the **Azure Functions** with application insights for **monitoring** and **performing** load testing on the applications using the **Visual Studio Team Services (VSTS)** also called as **Azure DevOps** Services.
* Worked with **AWS** services using **S3**, **RDS**, **EBS**, **Elastic Load Balancer**, and **Auto-scaling** groups, **EC2** instances with optimized volumes and achieved cloud automation and deployments using **Chef**, **python**, and **AWS Cloud Formation** Templates.
* Worked with **AWS CLI** and **AWS API** to manage resources on AWS for many services such as **EC2**, **S3**, **VPC**, **Cloud Watch**, **ELB**, **Auto-scaling**, created python **script** using **AWS API** Calls to manage all resources deployed on **AWS**.
* Designed Architecture for **API development** & deployment as Microservice including **Python code** in **Docker** container and **Azure Service Fabric**.
* Application Deployment on **PCF** using CF push and Urban code deploy. Also, **PCF** backup for all the environments and set-up **Jenkins, maven** build automation with uploads to **Pivotal Cloud Foundry (PCF)**.
* Written **Templates** for **Azure Infrastructure** as code using **Terraform** to build staging and production environments. Integrated **Azure Log Analytics** with **Azure VMs** for monitoring the **log files**, store them and track metrics and used **Terraform** as a tool, **Managed** different infrastructure resources **Cloud**, **VMware**, and **Docker** containers.
* Worked on **OpenShift** for **container orchestration** with **Kubernetes** container storage, automation to enhance **container** platform multi-tenancy also worked on with **Kubernetes** architecture and design troubleshooting issues and **multi-regional** deployment models and patterns for large-scale applications.
* Deploying windows **Kubernetes (K8s)** cluster with **Azure Container Service (ACS)** from **Azure CLI** and Utilized Kubernetes and Docker for runtime environment of **CI/CD** system to build, test and Octopus Deploy.
* Used **Kubernetes** to deploy, load balance, **scale** and manage **docker containers** with multiple name-spaced versions. Responsible for Configuring **Kafka Consumer** and **Producer** metrics to visualize the **Kafka System** performance and monitoring.
* Developed **Kubernetes** templates for various applications like **Cassandra, Grafana** and setting up **Kubernetes Clusters** for running microservices and pushed microservices into production with **Kubernetes** backed Infrastructure
* Implemented **AWS Elastic Container Service (ECS)** scheduler to automate application deployment in the **cloud** using **Docker Automation** techniques.
* Worked on creation of custom **Docker images**, tagging, and pushing the Images and creating **Docker containers** and **Docker consoles** for managing the application life cycle.
* Worked on **Ansible Playbooks** with **Ansible roles**. Created inventory in **Ansible** for automating the continuous deployment. Configure the servers, deploy software, and orchestrate continuous deployments or zero downtime rolling updates.
* Worked on the monitoring tools and visualization tools like **Prometheus** and **Grafana** and monitoring the **Kubernetes** pod metrics in regular intervals of time.
* Created **Ansible** roles in **YAML** and defined tasks, variables, files, handlers, and templates. Created inventory and configured the **Ansible** files for parallel deployment in **Ansible** for automating the Continuous delivery process.
* Automated **Datadog** Integrations through **Ansible Scripts** for QA, Regression and Prod environments and set up **Datadog dashboard** and alerts with the stack through **Terraform** Scripts and Integrated Datadog in **Jenkins pipeline.**
* Written **Chef Cookbooks** and recipes to Provision several pre-production environments consisting of **Cassandra DB** installations and several proprietary middleware installations.
* Integrated **Jenkins** CI with **GIT** version control and implemented continuous build based on check-in for various cross functional applications and created **GitHub Web Hooks** to set up triggers for commit, push, merge and pull request events.
* Working on version control systems like **GIT** and used Source code management client tools like Source Tree, **GIT Bash**, **GitHub**, **GIT GUI** and other command line applications etc.
* Maintained build related scripts developed in shell for **Maven** builds. Created and modified build configuration files including POM.xml
* Set up and maintained **Logging** and **Monitoring** subsystems using tools like; **Elasticsearch**, **Kibana**, **Prometheus**, **Grafana** and **Alertmanager**.
* Experience in WebLogic 9.x/10.x to implement zero downtime deployment using **python** and **bash/shell script** and used **Jenkins** to automate it.
* Created scripts in **Python** to automate log rotation of multiple logs from web servers. Working with **Python ORM Libraries** including **Django ORM** to create Web applications. Configuring **JIRA** as a defect tracking system and configured various workflows, customizations, and plugins for the **JIRA** bug/Issue tracker.

**Environment**: *Microsoft Windows AZURE, Azure AD, Azure SQL, Azure Network, Web Applications, Kubernetes, Virtual Machines, PCF, Ansible, Chef, Jenkins, Puppet, Docker, Python, Power shell, MongoDB, Microsoft Azure Storage.*

**DevOps Engineer**

**Ascendum: Mar 2017- Jul 2019**

* Supported **250+ AWS Cloud instance’s** and used **AWS CLI** to manage and configure various AWS products. Wrote automation scripts in **Ruby** and **Bash**.
* Involved in designing and deploying multitude applications utilizing almost all **AWS** stack (Including **EC2, S3, AMI, Route53, RDS, SNS, SQS, IAM**) focusing on high-availability, fault tolerance, and **Auto-Scaling** in **AWS Cloud Formation**.
* Optimized volumes and **EC2** instances & Created multi–Azure **VPC** instances. Used **IAM** to create new accounts, roles, groups. Automation of **Redshift**, **EC2**, **RDS**, **ElasticCache**.
* Designed and developed features for **J2EE-based** business activity monitoring and operational dashboard engine, web app components, recoverability, and upgradability.
* Provide highly durable and available data by using **S3** data store, **versioning**, lifecycle policies, and create **AMI**s for mission critical production servers for backup.
* Used **Chef** to **configure, manage** infrastructure. Written **cookbooks** to automate configuration setups.
* Monitoring day-to-day administration and maintenance operations of the company network and systems working on **Linux** and **Solaris** Systems.
* **Ansible** playbooks, inventories created playbooks written in **YAML** language, encrypted the data using **Ansible Vault** & maintained role-based access control by using **Ansible Tower** & Implemented **IT** orchestration using **Ansible** to run tasks in sequence which can work on different servers.
* Involved in developing custom scripts using **Python**, **Perl** & **Shell** to automate jobs. Used **Python programming** in **Linux** platform to design the front-end portion of the plug-in.
* **Implement** and **manage** Monitoring services with **SQS**, **SNS**, **CloudWatch**, and **CloudFormation**.
* Deployed cloud stack using **AWS OpsWorks**. Configured **Elastic Load Balancers** with **EC2 Auto scaling** groups.
* Configured and monitored distributed and **multi-platform servers** using **chef**. Defined **Chef Server** and workstation to manage and configure **nodes**.
* Designed and developed **Continuous Integration** & **Continuous Delivery** pipelines using **Code Pipeline**, **Code Build** and **Code Deploy**. Involved in software builds and evaluation, **creating directories** and security groups, and recreating prior versions. Monitored software, and /or middleware update utilizing technologies like **Jenkins**.
* Created scripts in **Python** to automate log rotation of multiple logs from web servers and wrote shell scripts to automate the process of adding **SSH-keys**, generating passwords in **python**.
* Utilize **DevOps** methodologies and best practices to create infrastructure automation and continuous delivery. Ensure communication between Operations and all Engineering Teams, Product Owners, and Scrum Masters.
* Configured **Virtual Box's** (**VMWare**) for developers for local testing and development of the product before they push it to **DEV** and **CI** environments.
* Worked on setting up **Splunk** to capture and analyze data from various layers **Load Balancers**, **Web servers** and application servers.

**Environment:** *SCM, RHEL, Unix, Windows, AWS Services (EC2, VPC, IAM, S3, RDS, ElasticCache, SQS, SNS, CloudWatch, CloudFormation, OpsWorks), GIT, Subversion, Web Server, WebLogic, Java/J2EE, JBoss, TFS, Chef, Nagios, Ant, Maven, Jenkins.*

**Build and Release Engineer**

**Believe Creative ITES: Nov 2014- Feb 2017**

* Installed and configured **Linux, UNIX, SUSE & RedHat 5.x/6** using **Kickstart** with **PXE** for **LAMP** (Linux, Apache, MySQL, and Perl/PHP) installations.
* Efficiency in installing, configuring, and implementing **RAID 0, RAID 1**, and **RAID 5** levels using **Logical Volume Manager (LVM), VERITAS Volume Manager (VVM)** and **Solaris Volume Manager**.
* Installation, configuration, and administration of Apache Tomcat, WebLogic, WebSphere.
* Installed and configured **VMware** setup and Worked on the deployment of applications on VMware and vCenter.
* Tuned, maintained, upgraded **WebSphere, WebLogic, JBoss, Tomcat,** **Apache** application servers.
* Proficient in Networking and configuring **TCP/IP, DNS, NFS, NIS, SAMBA, LDAP, SSH, SSL, SFTP, SMTP, SNMP** servers.
* Created **BASH** shell scripts to automate **CRON** jobs and system maintenance.
* Configured **Virtual Box's (VMWare)** for developers for local testing and development of the product before they push it to **DEV** and **CI** environments.
* Administered and managed a **Splunk** server to monitor both Windows and Linux physical and virtual environments. Automation/Simplification of Digital Guarding Process through **SPLUNK**.

**Environment:** *Linux, UNIX, Microsoft Windows, LAMP, Veritas Volume Manager (VVM), Logical Volume Manager (LVM), TCP/IP, DNS, NFS, NIS, SAMBA, LDAP, SSH, SSL, SFTP, SMTP, SNMP, SVN, ZFS, Java, SQL, Bash, Shell, WebLogic, WebSphere, Apache, Subversion, Splunk.*

**Linux Administrator:**

**ZS Associates May 2013- Oct 2014**

* Perform **bare metal installation** and configuration of VMware Hypervisor on 64-bit servers and install & configure Samba on **RedHat** and **Linux** for sharing with windows clients.
* Utilized **VMware Converter** for **Physical to Virtual** or vice versa for conversion which is used during the migration of **on-premises servers to cloud**.
* Setting up, configuring, and troubleshooting **TCP/IP, DHCP, DNS, NFS, CIFS, NTP** and **Samba** servers on different **multi-platforms** (Windows, Linux).
* Local and Remote administration of servers, routers and networks using **Telnet** and **SSH** login using **SSH keygen tools** for password less setup and agent forwarding on Linux.
* Used **bash and Perl scripting** for automated processes in managing disk space, deleting old logs, and **CRON jobs** to perform backups using local archiving utilities using tar, gzip, and bzip2.
* Experienced in configuring the repositories for package installations based on various Linux flavors like **RHEL, CentOS, Debian, Arch Linux** etc.,
* Configured **LDAP** on **RedHat** for authorization and authentication by configuring **LDAP** server which is used for authentication using its database.
* Created Self-Signed Certificate Authority to sign Certificate Requests for **SSL** and configured secure talk for **LDAP**, **https,** and **SMTP**.
* Expertise in **bash/shell**, **Perl**, **Ruby** and **Python** scripting.
* Effectively configured and monitored the health of network and server infrastructure using **Nagios** and resolved systems and process issues reported by **Nagios**.
* Worked on Setting up **Splunk** to capture and analyze data from various layers Load Balancers, Web servers and application servers.

**Environment:** *Linux, LVM, Splunk, Nagios, LDAP, Redhat, RHEL, CentOS, Debian, LDAP, SSH*