A picture containing graphical user interface

Description automatically generatedVenkatesh. Beeraka  
Sr.Cloud/DevOps Engineer

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**PROFESSIONAL SUMMARY:**

* Successful IT Professional with **8 years** of experience as **Cloud** and **DevOps** Engineer which includes extensive work experience with great involvement in **AWS**, **Azure**, **GCP**, **Build**, **Release** **Management**, **Configuration** **Management**, **Infrastructure**, and **Automation**.
* Experience on **AWS** platform and its scalability including **EC2**, **AMI**, **VPC**, **S3**, **Route53**, **ELB**, **EBS**, **SNS**, **RDS**, **IAM**, **Auto** **Scaling**, **CloudFront**, **Code** **Commit**, **CloudWatch**, **CloudTrail**, **CloudFormation**, **ESS**, **EMR**, **IAM** to create new accounts, users, roles, and **Security** **groups**.
* Designed roles and groups for users and resources using **AWS** **Identity** **Access** **Management** (**IAM**) and **implemented** **Multi-Factor** **Authentication** (**MFA**) on externally available **servers** and on **AWS** **Console**, Monitoring and alerting leveraging **Cloud** **Watch** and **Cloud** **Trail**.
* Experience in Orchestrated the deployment and maintenance of multiple **AWS RDS** instances, including MySQL, PostgreSQL, and Oracle, ensuring high availability and optimal performance.
* Experience with **Microsoft** **Azure** cloud technology, **Rackspace**, **OpenStack**, **designing** /**establishing** **Cloud** **Infrastructure** (**PaaS**, **IaaS**), **RDBMS** database systems, and **IoT** Platforms.
* Experience in Designing, planning, and implementing existing on-premises applications to **Azure** **Cloud** (**ARM**), **Configuring**, and **deploying** **Azure** **Automation** **Scripts** utilizing **Azure** stack (**Compute**, **Web** and **Mobile**, **Blobs**, **ADF**, **Resource** **Groups**, **Cloud** **Services**, and **ARM**), Services and Utilities focusing on **Automation**.
* Created **Azure** **Automation** **Assets**, **Graphical** **Run** **books**, and **Power** **Shell** run **books** to **automate** processes, deployed **Azure** **AD** **Connect**, configured **ADFS** **authentication** flow, and installed **ADFS** utilizing **Azure** **AD** **Connect**.
* Worked on **Google** **Cloud** **Platform** (**GCP**) services like **computer** **engine**, **cloud** **load** **balancing**, **cloud** **storage**, **cloud** **SQL**, **stack** **driver** **monitoring**, and **cloud** **deployment** **manager**.
* Experience on **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.
* Involved in **AWS EC2/VPC/S3/SQS/SNS** based automation through **Terraform, Ansible, and Python**. Adopted new features as they were released by Amazon, including **ELB** & **EBS**.
* Building/Maintaining **Docker** container clusters managed by **Kubernetes** **Linux**, **Bash**, **GIT**, and **Docker** on **GCP** (**Google** **Cloud** **Platform**).
* Implemented **Jenkins**, **Build** **Forge**, and **Docker** for continuous integration and end-to-end automation for build and deployment.
* Experience on **Docker** in managing development environments through the creation of **virtual** **containers**.
* Created a **Continuous** **Delivery** process to include support building of **Docker** **Images** and publishing into a **private** **repository**-**Nexus** **v3**.
* Installed and Configured **Nexus** **repository** manager for sharing **artifacts** between internal teams and created **proxy** **Nexus** **repositories** to speed up the build process.
* Deployed **Kubernetes** **Cluster** on **cloud/on-premises** environments with **master/minion architecture** and wrote many **YAML** files to create many services like **pods**, **deployments**, **auto**-**scaling**, **load** **balancers**, **labels**, **health** **checks**, **Namespaces**, and **Config** **Map**.
* Mitigated **AWS** costs by writing the **Ansible** **playbook** for auto start/stop of **AWS** resources at a particular time of the day by triggering it from **Jenkins** and knowledge of **Ansible** **Playbooks**, **modules**, and **roles**.
* Expertise in building automation using **Jenkins**, and **Maven**. Wrote **build.xml**, and **pom.xml** scripts with build tools.
* Worked with the **Agile** development team to develop **continuous** **integration**/**continuous** delivery in the delivery of product in an **open**-**source** environment using tools such as **Jenkins**, and **Chef**.
* Utilized **Chef** as a **Configuration** **Management** tool for application deployment and for environment configuration.
* Experience with various log monitoring tools, including **Splunk, CloudWatch, Nagios, Dynatrace, Grafana, New Relic,ELK Stack, Prometheus, and AppDynamics.**
* Experience in configuring and integrating the servers with different environments to automatically provision and create new machines using configuration management /provisioning tools like **Ansible**.
* Experience in implementing merging **strategies**, **Tagging**, and delivering using **GIT** as source control.
* Created the naming strategy for **branches** and **labels** and implemented a continuous integration system with the **Git** **Version** **control** **repository**.
* Proficient in determining the likelihood of threats exploiting vulnerabilities and estimating potential impacts, in accordance with **NIST** risk assessment frameworks.
* Coordinate release activities with **Release Management,** **Project Management**, **QA**, and Web Development teams to ensure a smooth and trouble-free rollout of **Releases**.
* Experienced a diverse range of **PostgreSQL** databases for clients, ensuring high availability and optimal performance.
* Design and implement scalable enterprise monitoring systems by applying continuous integration/delivery concepts.
* Performed maintenance and troubleshooting of our enterprise **Redhat** **OpenShift** systems.
* Work to continuously improve the speed, efficiency, and scalability of **OpenShift** **systems**.
* Designed and implemented a **Puppet**-based configuration management system for all new **Linux** servers. Deploy Puppet to manage **AWS** **EC2** **Instances**, **Volumes**, **DNS**, and **S3**.
* Experience with setting up **WebServers** and **Application** **Servers** **Tomcat**.
* Knowledge in maintaining **Nexus** (**repositories**) for **maven** **artifacts** and dependencies.
* Knowledge of utilizing routed protocols like **FTP**, **SFTP**, **SSH**, **HTTP**, and **HTTPS** and configuring and maintaining network services such as **DNS**, **NIS**, **DHCP**, **NFS**, **Web**, **mail**, **FTP**, **TCP**/**IP**.
* Worked on **Dev**, **QA**, **UAT**, and **PROD** for several releases and designed instance strategies and managed them.
* Worked in different environments such as **Windows**, **Red** **Hat** **Enterprise** **Linux** 4.x, 5.x, 6.x, 7.x, **Debian**, **CentOS** 4.x, 5.x, Suse, Oracle Enterprise **Linux**, **Solaris** 8,9,10, and **VMware** **vSphere** ESX/ ESXi environment. Also, involved in **migrating** **Linux**/ **Windows** servers to the cloud (**AWS**) and **testing.**
* Excellent team player, ability to quickly adapt and work under minimal supervision, effectively communicate with team members and manage applications. Experience in providing **24/7** on-call support for **Production**, **Pre-prod** and **Development** environments.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Operating systems | Linux: RHEL 4.x/5.x/6.x/7, CentOS 5.x/6.x/7 & Ubuntu 12.x, 14.x 15.x & Windows 2003/2008, Debian. |
| Version Controlling Tools | Subversion SVN, Perforce,TFS, GIT, CVS, Bitbucket. |
| Scripting languages | Bash Shell Scripting, YAML, Python Scripting, Ruby,Type script, Perl, C |
| Web Technologies | HTML, CSS, HTTP, XML, and PHP |
| Web Servers | Apache2.0/2.2/2.4,ApacheTomcat5.5/6.0/7.0,WebLogic,JBoss,Nginx,WebSphere. |
| Clustering software | Veritas Cluster, Red Hat Cluster Suite |
| Configaration management tools | Puppet, Chef, Ansible, Salt Stack |
| Build/CI Tools | ANT, Maven, NPM,YARN.Gitlab,Jenkins,Teamcity,Azure DevOps. |
| Monitoring tools | Nagios, ELK, Splunk, Dynatrace, New Relic, Cloud watch, Prometheus , Grafana. |
| Containerization/Orchestration | Docker, Amazon ECS, ACS,Fargate,Kubernetes, Apache Mesos, Docker Swarm. |
| Network Services | TCP/IP, Subnetting, DNS, NFS, NIS, SSH, DHCP. |
| Databases | Oracle, DB2, MySQL, NoSQL, MSSQL, SQL Server. |
| Testing and Scanning | SonarQube,Veracode,JMeter,Junit,Fortify. |

**PROFESSIONAL EXPERIENCE**

**AWS/DevOps Specialist June2022-Current**

**Gilded - Stamford CT**

**Responsibilities:**

* Designed and implemented using **AWS** infrastructure for a large-scale high-throughput financial trading platform using best practices for security, reliability, scalability, and performance optimization.
* Automated deployment of application code to production environments using **Jenkins** pipeline with **Python** **scripts** that utilized **AWS** services such as **EC2** instances, **S3** **buckets**, **IAM** roles, and **policies**.
* Built **Cloud formation** templates to use automation function on **EC2** instances in **AWS** which can also be reused for different environments, application’s **AMI** and to simplify the provisioning and management of **EC2** instances, **RDS**, and **VPN**.
* Utilized **Azure** Cloud Services (PaaS & IaaS), Storage, Web Apps, Active Directory, Application Insights, Logic Apps, Service Bus, Traffic Manager, **Azure** Monitoring, OMS, Key Vault, Visual Studio Online (VSO), Cognitive Services (LUIS) and SQL Azure.
* Created **Azure** Automation Assets, Graphical Run books, Power Shell run books to automate processes, deployed **Azure** **AD** **Connect**, configured **ADFS** authentication flow, and installed **ADFS** utilizing **Azure** **AD** **Connect**.
* Wrote **Terraform** scripts to deploy **Infrastructure** **as** **Code**. Wrote **Terraform** **templates** to convert the already existing **IAM** **roles** and **policies**.
* Working with Platform as **Docker** container and used **Kubernetes** to manage Containerized applications using its nodes, **ConfigMaps**, node-selector, Services, and deployed application containers as pods.
* Created a streamlined **CI/CD** pipeline with GitHub, Jenkins, Docker, and **AWS AMI**. Automated **Docker** container builds with **AMI** and Linux control for new GitHub branches, optimizing production and staging environments by consolidating them on a **Docker**-powered bare host.
* Developed **Networking** **policies** for **Docker** containers. Worked on open-source development tools like **Docker** **Containers**, and **Kubernetes**.
* Working on integrating **Dynatrace** with various cloud platforms (AWS, Azure, GCP) and **container orchestration** tools (**Kubernetes, Docker**) to monitor modern cloud-native applications.
* Working with **Dynatrace APIs** for automation and custom reporting, streamlining monitoring processes and enhancing operational efficiency.
* Highly involved in configuring and monitoring distributed and multi-platform servers using **Ansible**.
* Created **pom.xml** files for **maven** build scripts Configure of multiple servers using **Ansible**.
* Installed and configured **Tomcat** and **WebSphere**. Knowledge on cloud-based deployments into **Amazon** **EC2** with **Ansible**.
* Installed, configured, and managed **Ansible** server and created playbooks to various **middleware** application servers and used **Ansible** to automate repetitive tasks.
* Implemented Infrastructure automation through **Ansible** for auto provisioning, code deployments, software installation, and configuration updates.
* Creation of **Gitlab**-**ci**.**yml** file for kicking build process in stages that run in a **docker** container.
* Configuring **JUnit** coverage report and Integration Test cases as part of the build in **GitLab** **Runner**.
* Configured and integrated **GIT** into the continuous integration (CI) environment along with **Jenkins** and written scripts to containerize using Ansible with Docker and orchestrate it using **Kubernetes**.
* Utilized **AWS** **Beanstalk** for deploying and scaling web applications and services developed with **Java**, **PHP**, **Python**, and **Docker** on servers like **Apache**, and **Tomcat**.
* Implemented Terraform to provision infrastructure including **EC2** instances, **VPCs**, and **security** **groups** as well as an automated deployment pipeline leveraging **GitRepo** **hooks**, **Jenkins** **CI**, and **Elastic** **Beanstalk** **deployments**.
* Created a **Docker** file for each **microservice** and changed some of the **Tomcat** Configuration files which are required to deploy **Java** based applications to the **Docker** container.
* Developed **Networking** **policies** for **Docker** containers. Worked on open-source development tools like **Docker** **Containers**, and **Kubernetes**.
* Defining microservice deployment templates using **HELM** to extend deployment capabilities to the application development team.
* Installation, administration and configuration of **ELK** stack on **GCP** and performed **Log** Analysis.
* Working with **ELK** (**Elasticsearch**, **Logstash**, and **Kibana**) stack to develop an end-to-end transaction processing system.
* Wrote **Yaml** templates for **cloud** **formation** and **Python** scripts for **Ansible** automation contributing to our repository on **GitHub**.
* Written **Python** **Scripts** for sending data from **DynamoDB** to **MySQL** **Database**.
* Installed and configured using the information using **Nagios** for resource **monitoring**/**network** **monitoring**/**Log** **Trace** Monitoring tool.
* Implemented **NewRelic** for monitoring **ACS** Site Reliability, ensuring optimal performance and availability.
* Developed in configuration of the monitoring and alerting tools according to the requirements like **AWS Cloud Watch, Nagios**, **Splunk Enterprise, and New Relic** for VPN connections
* Worked on Apache Hadoop and used **Kafka** for messaging system and Spark for processing large sets of data.
* Performed Patching, Packages, and OS Remediation administration across **Linux** and Solaris servers.

**Environment & Tools**: AWS, Azure, Docker, Maven, Kubernetes,Splunk,Dynatrace,Jenkins,CI/CD,Redhat,Java, Python, Git, Kafka, Prometheus, Helm, Windows.

**Cloud DevOps Engineer Sep 2021 – May 2022 Westchester County, White Plains, NY**

**Responsibilities:**

* Working on deploying, **monitoring**, and **maintaining** Amazon **AWS cloud infrastructure** consisting of multiple **EC2 nodes** across different environments.
* Created a **Kubernetes** cluster with multiple nodes of EC2 instances using **Cloud Formation Template**.
* Maintained and developed Docker images for a tech stack including Cassandra, Kafka, Apache, and several in house written Java services running in Google Cloud Platform (**GCP**) on Kubernetes.
* Automated manual deployment steps using **Ansible**. Wrote multiple **playbooks** for automating deployments and day-to-day activities.
* Created Monitoring for a new application from scratch. Deployed **Prometheus**, **alertmanager** and **Grafana** on **EKS Cluster** to setup monitoring.
* Deployed **Helm charts** on the **Kubernetes** cluster and automated the deployment process using Continuous Deployment tool **Spinnaker**.
* Deployed builds regularly using Ansible on multiple environments like **UAT**, **PROD** and **DR.**
* Created dashboards and alerts using **Splunk** for multiple applications and wrote **Splunk** queries to troubleshoot multiple application Production issues.
* Created in setting up infra for the on-prime application in AWS during migration and setup **Kubernetes cluster** on AWS.
* Leading Deployment and operations processes inside the team.
* Developed and Implemented **Kubernetes manifests** for deployment of microservices into K8s clusters.
* Worked with container systems like **Docker** and container **orchestration** like EC2 Container Service, **Kubernetes**, worked with **Terraform**.
* Created in CloudFormation to automate AWS environment creation along with the ability to deployment on AWS, using build scripts (AWS CLI) and automate solutions using shell and Python.
* Managed **Docker** orchestration and Docker containerization using **Kubernetes**.
* Used **Kubernetes** to orchestrate the deployment, scaling and management of Containers.
* Creating alarms and notifications for EC2 instances using **CloudWatch**.
* Implemented AWS solutions using EC2, **S3**, RDS, Elastic Load Balancer, **Auto scaling** groups.
* Configured and integrated **GIT** into the continuous integration (CI) environment along with **Jenkins** and written scripts to containerize using Ansible with Docker and orchestrate it using **Kubernetes**.
* Worked on deployment automation of all the micro services to pull images from the Private **GCR** (Google Container Registry) and deploy on EC2 nodes which are managed by **Kubernetes** using **Ansible.**
* Created **Ansible** playbooks, to deploy VM, install the components and OS patching as per requirement.
* Implemented AWS solutions using EC2, S3, RDS, EBS, EKS, Elastic Load Balancer, Auto scaling groups.
* Created multiple Namespaces, pods, deployments, config maps, replica sets, services, health checks and secrets on **Kubernetes** Cluster by writing YAML files.
* **Spinnaker** is introduced for continuous delivery which bakes the image and performs prod deployment. Setting the image which is stable which performs release management.
* Scheduled, deployed and managed container replicas onto a node cluster using **Kubernetes**.
* Working with SQL databases like MySQL, Oracle SQL Server.
* Used in writing Ansible Playbooks, created custom playbooks written in YAML, encrypted the data using **Ansible Vault**. managing Ansible Playbooks with Ansible roles and created inventory in Ansible for automating the continuous deployment.
* Responsible for configuring shared library functions using **Groovy scripts** for Jenkins pipeline as a code for CI/CD.
* Created automation framework for RESTful and SOAP APIs using SoapUI and **Groovy Script**.
* Planned and led the team for multiple major activities like **DR FAILOVER** and major infra upgrades.
* Involved in designing and deploying multiple applications using almost all the AWS cloud infrastructure focusing on high availability, fault tolerance and Auto-Scaling of the instances.
* Proposed and implemented **Zero downtime** deployment for the application.
* Managed a **PaaS** for deployments using **Docker**, **Ansible** which reduced considerably deployment risks.
* Created and managed a Docker deployment pipeline for custom application images in the cloud using **Jenkins.**

**Environment & Tools**: AWS EC2, VPC, Auto scaling, Cloud Watch, Route53, MS SQL, Terraform, Ruby, Python, Maven, Ansible, Chef, Jenkins, Shell Scripting, HP OO, Nagios, vSphere, GIT, Kubernetes, Docker.

**Azure DevOps Engineer Jan 2020 - Aug 2021**

**Zebra, Chicago Illinois**

**Responsibilities:**

* Set up continuous integration and continuous delivery pipelines in **Azure** **DevOps**.
* Deployed **Azure** **IaaS** virtual machines (**VMs**) and **Cloud** services (**PaaS** role instances) into secure VNets and subnets.
* Deployed the initial **Azure** components like **Azure** Virtual Networks, **Azure** Application **Gateway**, **Azure** **Storage**, and Affinity groups.
* Configured **Azure** Multi-Factor **Authentication** as a part of **Azure** AD Premium to securely authenticate users.
* Worked on **Azure** **cloud** **services**, **Azure** **storage**, **Azure** active directory, and **Azure** Service Bus. Create and manage **Azure** AD tenants and configure application integration with **Azure** **AD**. Integrate on-premises **Windows** **AD** tenants and Configure application integration with **Azure** **AD**.
* Configured Internal **load** **balancer**, load **balanced** sets, and **Azure** **Traffic** manager.
* Using the **GIT** repository for storing **Terraform** files and maintaining versioning. Converted existing **Terraform** modules that had version conflicts to utilize cloud formation during **Terraform** deployments to enable more control or missing capabilities.
* Converted existing **Terraform** modules that had version conflicts to utilize cloud formation during **Terraform** deployments to enable more control or missing capabilities.
* Building and maintaining **Docker** container clusters managed by **Kubernetes**, **Linux**, **Bash**, **GIT**, and **Docker**, on **Azure**. Utilized **Kubernetes** and **Docker** for the runtime environment of the **CI**/**CD** system to build, test, and deploy.
* Worked on **Docker** registry, Machine, Hub and creating, attaching, and networking of **Docker** containers, container orchestration using **Kubernetes** for clustering, load **balancing**, **scaling**, and service discovery using selectors, nodes, and **pods**.
* Worked with upgrades of all the **CI/CD** applications including **SonarQube**,**Nexus**-pro(Including **NEXUS** IQ & **NEXUS** RM), Cloudbees **Jenkins**, Cloud bees, **SCM** Manager, and **Gitlab**.
* Building **Docker** images includes setting the entry point and volumes. Also ran **Docker** containers.
* Containerization of Web applications using **Docker** and **Kubernetes** and **Database** maintenance.
* Setting up multiple provider projects using the Enterprise **OpenShift** container platform
* Worked as a two members team to **migrate** all the jobs in **opensource** **Jenkins** to Cloudbees **Jenkins** **Platform**.
* Worked on **Chef** Delivery for Continuous Delivery. Introduced **Hashi** **Corp** **Vault** for secure secret storage.
* Implemented **Groovy** shared libraries in **Jenkins** for making the **Jenkins** process easy and implemented the webhooks.
* Written the **Ansible** **playbooks** which are the entry point for **Ansible** provisioning. Where the automation is defined through tasks using **YAML** format to set up a Continuous Delivery pipeline and ran **Ansible** Scripts to provision Dev servers.
* Written **Ansible** **playbooks** for automating tasks and managed **Ansible** to configure Web Apps and deploy them and used **Ansible** for deploying the necessary changes on remote hosts and monitored the process using **Ansible** Tower.
* Configured Pipelines to build and deploy by setting up **SonarQube** for coverage reports, **Maven**, **Jira** **integration**, and **Nexus** to build **CI**/**CD** pipeline which includes to trigger auto builds, code analysis, and deploying it nexus for various projects.
* Involved in setting up **Jira** as a defect tracking system and configured various **workflows**, customizations, and plug-ins for the **Jira** bug/issue tracker.
* Coordinate and plan with **Database** teams on **MongoDB** capacity planning for new applications.
* Automation of daily tasks using **Shell**, **Python**, and **Ruby** **scripts**.
* Worked on google cloud platform (**GCP**) services like compute engine, cloud load balancing, **cloud** **storage**, cloud **SQL**, stack driver monitoring, and cloud deployment manager.
* Supporting and working alongside **Agile** development teams to ensure they have all the facilities to get the job done.

**Environment & Tools**: Azure, Terraform, OpenShift, Ansible, Kubernetes, Docker, Git, Shell, Ruby, Python, Maven, Jira, MongoDb, Sonarqube, Nexus IQ, Nexus RM, Cloudbees Jenkins.

**DevOps Engineer Jan 2019 - Dec 2019**

**Catholic Health initiatives-Englewood, CO**

**Responsibilities**:

* As a DevOps Engineer for a team that involved different development teams and multiple simultaneous software releases.
* Used Subversion as source code repositories. Managed **SVN** repositories for branching, merging, and tagging.
* Developed **Shell/Perl** Scripts for automation purpose.
* Implemented multi-tier application provisioning in the OpenStack cloud, integrating it with **Chef/Puppet**.
* Responsible for designing and deploying best **SCM processes** and procedures.
* Established Chef Best practices approach to system deployment with tools with vagrant and managing Chef Cookbook as a unit of software deployment and independently version controlled.
* Created Chef cookbooks and recipes that kickoff post-install scripts.
* Designing and implementing fully automated server build management, monitoring and deployment by Using Technologies like **Chef**.
* Worked closely with software developers and DevOps to debug software and system problems.
* Created scripts in **Python** which integrated with **Amazon API** to control instance operations.
* Deployed Puppet, **Puppet** dashboard for configuration management to existing infrastructure.
* Used Puppet to automate Configuration management.
* Used Puppet to manage Web Applications, Config Files, Database, Commands, Users Mount Points, Packages. Maintained and coordinated environment configuration, controls, code integrity, and code conflict resolution.
* Managed and controlled the source code repository, currently housed in **TFS**.
* Excellent working knowledge of Team Foundation Server (TFS) Architecture, design, development, administration, and maintenance. Installing, configuring, and administering Jenkins CI tool on Linux machines.
* Analyze and resolve conflicts related to merging of source code for **GIT**.
* Developed custom OpenShift templates to deploy the applications and to create the OpenShift objects build, deployment on figs, services, routes, and persistent volumes.
* Improved the performance of **SQL scripts** by using **ORM methodology**.
* Implemented the setup for Master/slave architecture to improve the Performance of Jenkins.
* Implemented a Continuous Delivery framework using **Jenkins**, **Chef**, **Maven** in Linux environment.
* Developed **Ant** and **Maven scripts** to automate the compilation, deployment, and testing of Web and J2EE applications.
* Used Jenkins for Continuous Integration and deployment into Tomcat Application Server.
* Deployed **Java/J2EE** applications to Application servers in an Agile continuous integration environment and automated the whole process.
* Installed and Configured the **Nexus repository** manager for sharing the artifacts within the company.
* Supported and developed tools for integration, automated testing, and release management.
* Verified if the methods used to create and recreate software builds are consistent and repeatable.
* Involved in Research of the project application architecture to support/resolve build, compile, and test issues/problems.

**Environment & Tools**: Java/J2EE, ANT, Maven, Subversion, Chef, Puppet, ORM, Linux, AWS, OpenStack, OpenShift, Shell/Perl Scripts, Python, SCM, GIT, Jenkins, Tomcat, Jira.

**ANVIPRO IT Solutions Pvt. Ltd – Hyderabad, India Aug 2016 - Dec 2018**

**System Administrator**

**Responsibilities:**

* Installed and configured **RHEL** **4.0/5.0**, **Linux**, **Windows** **2008/2012** servers, **VMware** **ESXi** **4.5/5.0** Server.
* Installed **vServer**, and **vSphere** Client for Operations and management and configured and managed **virtual** **networks**, **storage**, **memory**, and **processors** for the **virtual** **machines**.
* Created and modified **virtual** **machines** using templates and images and built ready-to-production **VMs**.
* Installation, configuration, and management of **Apache**, and **Tomcat** servers and maintenance of local and network-based printers.
* Integrated **Maven** with **Shell** scripts created in **Bash** to automate deployments for **Java**-**based** applications.
* Responsible for maintenance of development tools and utilities and maintaining **Shell**, and **Perl** scripts.
* Responsible for **Linux** backup/ restore including disk partitioning and formatting.
* Used **SUDO**, **SSH**, and **Telnet** for remote system administration and implemented **SOX** (**Sarbanes** **Oxley**) security compliance and with sudo permission, created and modified users and groups.
* Implemented a **puppet**-based configuration management system for all **Linux** machines.
* Responsible for setting up **cron** job scripts on production servers.
* Monitored system performances using **Nagios** and managed network issues.
* Improved server performance on **Linux** by modifying **Kernel** **parameters**.
* Created **Logical** **Volumes** (**LV**) for Linux operating systems and managed hardware and software **RAID** systems.
* Worked with the **Database** team for performing database issues and network-related issues on **Linux** servers.
* Set up network environments using **TCP**/**IP**, **DNS**, **SNMP**, and **DHCP**.
* Used web application servers like **Web** **Logic** to deploy **Java** applications.

**Environment & Tools**: RHEL 4.0/5.0, Windows, VMware ESXi 3.5/4.0/4.1/4.5/5.0/5.1/5.5/6.0, Apache. Tomcat, Maven, Shell, Perl scripts, Database, RAID, vCenter Client, vSphere Client, Nagios, BMC, Linux environment.

**Igate global solutions ltd. - Chennai, India Dec 2015 - July 2016**

**Linux Administrator**

**Responsibilities:**

* Building and installing **Windows** and **UNIX** servers, maintaining **web** **servers**, **domain** **servers**, and **mail** **servers**.
* **Configure**, **release,** and **build** environments and manage them using **Jenkins**/**Hudson**.
* Managed prominent-level web applications and worked with **windows** and **Linux**-**based** administrations in **physical**/**virtual** environments. **Installation** and **administration** of **RHEL** **4.0**.
* Configured, maintained, and troubleshoot issues related to the work environments.
* Managed CPU usage, **shared** **memory**, **disk** **space** **usage**, and **controlling** processes.
* Managed **firewalls** and **server** configurations.
* Worked with **infrastructure** monitoring tools like **Nagios**.
* Managed servers using **Cloud** platforms and developed relationships with **vendors**/ **clients**.
* Resolving **database** and systems requests from users throughout the company.
* Dealing directly with clients to define requirements of the projects that deliver the needed information in a timely and accurate manner.
* Programming scripts like **Bash**, **Shell**, and **PowerShell** to gather information and map it to clients’ custom forms.
* Worked in user administration using Active Directory on Windows and **LDAP** on **Linux** servers.
* Build release of **Cloud**-**based** products containing **Linux** and **Windows** environments, using **Python** **Scripting**.

**Environment & Tools**: Jenkins, Nagios, Splunk, Puppet, Red hat, Python, Linux, NIS, NFS,Windows, Perl, shell Scripting.

**Educational Credentials**: Master’s in computer science Rowan University, Glassboro, New Jersey USA.