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**kiran**

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#### Summary

* 9+ years of experience as Sr. DevOps Engineer and Cloud Development Engineer involving extensive work towards code compilation, automation, packaging, building, debugging, managing, tuning and deploying code across multiple Cloud environments.
* Experience working in an agile environment leveraging the SAFe framework
* In-depth understanding of the principles and best practices of Software Configuration Management (**SCM**) in **Agile**, **SCRUM**, **Waterfall** methodologies.
* Wrote **Ansible**playbooks to manage configurations and automate installation process.
* Used **Ansible**and **Ansible**Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Managing the configurations of multiple servers using **Ansible** & **Chef.**
* Managed environments DEV, QA, UAT and PROD for various releases and designed instance strategies.
* Good knowledge about **CI/CD**.
* Designed and managed public/private cloud infrastructures using Amazon Web Services (AWS) which include EC2, S3, VPC, CloudFormation, IAM, Storage Gateway, RDS, EBS, AWS Lambda, EKS, Elastic Beanstalk, CloudTrail, CloudWatch, OpsWorks, CloudFront, Route 53 etc.
* Expertise in building Continuous Integration and Continuous Delivery (CI/CD) on AWS environment using AWS Code Commit, Code Build, Code Deploy and Code Pipeline and experience in using AWS CloudFormation and AWS Lambda in automation and securing the infrastructure on AWS.
* Experienced with deployments, Maintenance and troubleshooting applications on AWS Platform.
* Expertise in Amazon AWS Cloud Services: API Gateway, Lambda, DynamoDB, SNS, SQS, Glue, EMR, Elastic search etc.
* Good experience on Amazon AWS IAM Services in Users, Groups, Policies, Roles, AWS Access Keys and MFA.
* Expert in deploying the code through web application servers like Apache Tomcat/ Web Sphere/Web Logic/ AWS CLOUD.
* Managed **Multi Flavour of Linux** and **Windows** virtual servers with Ansible & Chef using **Git**.
* Extensively worked on **Cloud Bees**, **Jenkins** and **TeamCity** for continuous integration (CI) and for End-to-End automation for all build and deployments.
* Performed Automation and Scaling of applications using **Kubernetes.**
* Experience with **Ansible**Tower to manage Multiple Nodes and Manage Inventory for different Environments.
* Used **Ansible**to orchestrate software updates and verify functionality.
* Terraforming and Cloudformationto code all infrastructures into Azure, AWS and GCP.
* Working on Microsoft Azure Cloud services like cloud compute, Azure DevOps, Azure Pipelines Azure Repos, Azure Test Plans, Azure Monitoring.
* Expertise in Implementing Azure Service Offering, such as Azure cloud services, Azure storage, IIS, Azure Active
* Directory (AD), Azure Resource Manager (ARM), Azure Storage, Azure, Blob Storage, Azure VMs, SQL Database,
* Azure Functions Azure Monitor, Azure Data Factory, Databricks and Azure Service Bus.
* Hand on Experience on creating custom actions and custom plugins for Backstage templates by using Type Script and React script
* Hands on experience on Backup and restore Azure services and in Design and configure Azure Virtual Networks (VNets), subnets, Azure network settings, DHCP address blocks, DNS settings, security policies and routing. Azure cloud services, Blob storage, Active directory, Azure Service Bus, Cosmos DB.
* Implemented infrastructure as code (IaC) principles using tools like **Terraform** or Ansible to automate the provisioning and configuration of Jenkins servers.
* Expertise in designing, implementing &amp; managing infrastructure as code using Terraform. Ansible Created modular &amp; scalable infrastructure templates to automate provisioning &amp; deployment processes.
* Experience integrating **Ansible** &**Terraform** (IAC) with major cloud platforms like AWS &amp; Azure. Leveraged Terraform to provision &amp; manage cloud resources such as virtual machines, storage, networking &amp; security groups.
* Strong experience in writing Terraform tf files in AKS to maintain high availability.
* Expertise in Azure Scalability and Azure Availability - Build VMs availability sets using the Azure portal to provide resiliency for IaaS based solution and Virtual Machine Scale Sets (VMSS) using Azure Resource Manager (ARM) to manage network traffic.
* Writing **Terraform** script to provision **Kubernetes** cluster and Deployed application on AKS cluster using Helm chart.
* Extensively used Terraform to a reliable version and created infrastructure on Azure. Also created resources, using Azure Terraform modules, and automated infrastructure management. Organized different infrastructure resources like physical machines, VMs and even containers using Terraform.
* Worked on **Terraform** to set up the AWS infrastructures such as launching theEC2 instances, S3buckets, VPC, Subnets, and created the module driven AWS Infrastructure with Terraform
* Used **GIT**as Version Control System for two applications. Managed development streams and Integration streams.
* Used **AWS**Bean Stalk for deploying and scaling web applications and services developed with Java, Node.js, Python and **Ruby**on familiar servers such as Apache, and IIS.
* Worked on **Docker**container snapshots, attaching to a running container, removing images, managing directory structures and managing containers.
* Experience working on several Docker components like Docker Engine, Hub, Machine, **Compose**and Docker Registry.
* Experience working on **docker hub,**creating docker images and handling multiple images primarily for middleware installations and domain configurations.
* Used **Docker**for configuration management automation
* Setup Elastic Load Balancer for distributing **traffic**among multiple Web Logic servers and involved in deploying the content cloud platform on Amazon Web Services using **EC2, S3**and **EBS.**
* Creating the AWS Security groups to enable firewall.
* Automated **AWS**volumes snapshot backups for enterprise using Lambda.
* Created functions and assigned roles in AWS **Lambda**to run python scripts.
* Installed Kubernetes cluster including Kubernetes (K8) master and nodes. I configured etcd, kube-apiserver, kube- scheduler, kube-controller-manager in K8 Master and as well as configured Docker, kubelet, kube-proxy, flannel inK8 nodes.
* Administration and maintenance of **Docker**runtime environment, Versioning and lifecycle management of **Docker images**, Experienced in Docker orchestration framework.
* Automated Compute Engine and Docker Image Builds with **Jenkins**and **Kubernetes.**
* Having good implementation experience with installation and configuration of **Kubernetes,** clustering them and managed local deployments in **Kubernetes.**
* Provided consistent environment using **Kubernetes**for deployment scaling and load balancing to the application from development through production, easing the code development and deployment **pipeline**by implementing **Docker**containerization.
* Focused on **containerization**and immutable infrastructure. Docker has been core to this experience, along with Kubernetes**, Docker Compose, AWS ECS Azure EKS & Mesos.**
* Integrated **Kubernetes**with network, storage, and security to provide comprehensive infrastructure and orchestrated container across multiple hosts.
* Created Docker images using a **Docker file**. Worked on Docker container **snapshots**, removing images and managing **Docker volumes** and experienced with Docker container service.
* **Ansible**playbooks to manage configurations and automate installation process.
* Used **Ansible**and **Ansible**Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Managing the configurations of multiple servers using **Ansible.**
* Managed Artifactory repository for the current project created a new repository and provisioned it.
* Shell scripts & Python script to automatically restart the u Deploy agents on LINUX machines
* Performed Automation and Scaling of applications using **Kubernetes.**
* Experience with **Ansible**Tower to manage Multiple Nodes and Manage Inventory for different Environments.
* Experience in Private Cloud setup /POC/Configuration/maintenance.
* Efficient in working closely with Development, QA, Product and Business owner teams to ensure high quality and timely delivery of builds and releases across multiple platforms and environments.
* Worked as an independent contributor, Self-motivated and energetic professional, Strong Organizational skills and ability to do multitask, ability to quickly acquire an in-depth knowledge of the company's product and systems
* Regular maintenance of cluster with Hadoop-balancer and monitoring of clusters with Sensu and Python Flask Monitoring Tool.
* Experience in implementing new features of SQL Server 2008 like Policy Based Management, Resource Governor, Data Collector sets and Backup Compression Techniques.
* Automated CI/CD from TFS – Azure and non-Azure web & database servers.\
* Designed, Architected and implemented the Platform as a service built for multi-tenant platform within the Hybrid cloud infrastructure within AWS and GCP.
* Used Ticketing & Project Management tools like Jira, Team Foundation Server in DevOps, Service Now, and HPQC.
* Knowledgeable on scripting languages as Python hands on experienced.

**Professional Experience**

**Interas Labs Professional Services, CA, USA December 2015 – Till Date**

**Client: Quest Diagnostics, New jersey.**

**Role: Sr. DevOps Engineer March 2021 – Till Date**

**Responsibilities:**

* Deploying infrastructure on **AWS** utilizing services such as **EC2, RDS, VPC** and Managed Network and Security, Route 53, Direct Connect, IAM, Cloud Formation, AWS Ops Works (Automate operations), Elastic Beanstalk, AWS S3, Glacier, (Storage in the cloud) and Cloud Watch Monitoring Management.
* Managed **Docker** orchestration and **Docker** containerization using **Kubernetes**.
* Used AKS from GitHub to **Azure** using GitHub actions yaml deployment with Docker container worked in Azure.
* Experience in **Kubernetes** to deploy scale, load balance, and manage Docker containers with multiple names spaced versions using **Helm** charts
* Used **Kubernetes** to orchestrate the deployment, scaling, and management of Docker Containers Extensively worked with **Azure** Devops.
* Deploying **CI/CD** system using Azure DevOps on **Kubernetes** container environment, and for the runtime environment of CI/CD system to build, test and Deployment we have utilized Kubernetes and Docker Designed and automated AZURE Infrastructure as a Service (IaaS) and Platform as a Service (PaaS), SaaS capabilities which includes virtual Machine, container services, virtual network and cloud services.
* Deploying Prometheus and **Grafana** as a pod on Kubernetes by creating resources Deployment, Replicaset, Pods, and service.
* Created **PV, PVC**, and deployment for both Grafana and Prometheus deployment and also exposing it to port.
* Structured cluster Auto Scaler for Azure Kubernetes Service (**AKS**) by using **Terraform** templates and worked with scheduling, deploying, and managing pods and replicas in AKS.
* Managing the Azure Kubernetes Services( **AKS**) policies, providing access to different resources and developing and improving the workflows that govern access.
* Developed tools that allowed developers to easily deploy their applications on **Kubernetes**.
* Deploying windows Kubernetes (**K8s**) cluster with Azure Container Service (ACS) from Azure CLI and Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test and Octopus Deploy.
* Working with monitoring tool such as Datadog, CloudWatch, Azure Monitoring,.
* Writing **Terraform** script to provision **Kubernetes** cluster and Deployed application on **AKS** cluster using Helm chart.
* Used Docker and Kubernetes to manage micro services deployment.
* Designed and delivered HIPAA compliance training programs for all staff members, enhancing organizational awareness and understanding of HIPAA requirements and reducing instances of non-compliance.
* Managed and coordinated responses to potential HIPAA violations, conducting thorough investigations, reporting incidents to relevant authorities, and implementing corrective measures to prevent recurrence.
* Used Kubernetes to create Pods, Config Maps and deployments into the cluster.
* Led the design and implementation of HIPAA-compliant security protocols, ensuring the protection of patient health information (PHI) across all organizational systems and processes.
* Hands on experience on Kubernetes to automate the deployment, scaling and operations of application containers across clusters of hosts.
* Engaged with various Google Cloud Platform (GCP) services including Google Compute Engine, Source Repositories, Virtual Private Cloud (VPC), GCP Load Balancers (GLB/ILB), IAM, GSuite, Cloud SQL, Cloud SQLproxy, Network Security Policies, Cloud Storage (GCS), Cloud Dataproc, Spanner, Bigtable, and more. Success fully deployed microservices using Spring Boot on a GCP/GKE Kubernetes Cluster, meticulously configuring master and worker nodes.
* Maintaining and developing Docker images for a tech stack including Cassandra, Kafka, Apache and several in house written in both **OpenStack** and AWS cloud on Kubernetes.
* Additionally, managed GCP services such as Compute Engine, Cloud Load Balancing, Cloud Storage, Cloud SQL,and Stack driver for monitoring. Implemented failover and auto-scaling mechanisms for critical applications using HAProxy/Nginx for Load Balancing within GCP. Established monitoring solutions to track uptime and performance across all production systems through GCP Stack driver.
* Create, Change and Orchestrate AWS and GCP infrastructure using Terraform.
* Good Knowledge of security frameworks and standards NIST, ISO 27001, OWASP
* Experienced in creating AWS IAM and Security Group in Public and Private Subnets in VPC. Created AWS Route53 to route traffic between different regions.
* Launched **AWS** and Open Stack instances (SUSE/Ubuntu/CentOS) and Configured launched instances with respect to specific applications.
* Implement and manage hybrid cloud solutions using Anthos, enabling workloads to run across on-premises and GCP environments seamlessly.
* Used Terraform for creating/provisioning AWS/GCP Cloud and managing resources.
* Design and manage multi-cloud environments, ensuring interoperability between GCP and other cloud providers like AWS and Azure. Implement tools and processes for consistent CI/CD, monitoring, and security across multiple cloud platforms.
* Implementing **VPC**, Auto Scaling, S3, EBS, ELB, Cloud Formation templates and CloudWatch services from AWS.
* Implementing **AWS Lambda** functions to run scripts in response to event in Amazon Dynamo DB table, S3 buckets, HTTP requests using Amazon API Gateway.
* Involved in creating, configuring AWS VPC services, installed EC2 instances for the new development team, and used AWS Route 53 to maintain the traffic and to create the DNS name.
* Automated the AWS cloud infrastructure provisioning using **CloudFormation**&**Terraform** Templates.
* Managed **AWS**, **Jenkins**, and Chef Accounts to more effectively control access to resources and increase security.
* Configured AWS ECS clusters for deploying and orchestrating containers by defining tasks and Services.
* Expertise in writing AWS CloudFormation templates in **YAML** to use them as blueprints for building &amp; deploying multiple AWS resources.
* Worked on AWS services EC2, IAM, S3, Lambda, CloudWatch, Redshift, Dynamo DB, SNS, SQS, EKS, ECR, EMR, Elastic Bean stalk, VPC, ELB, RDS, EBS and Route 53.
* Troubleshooting the AWS and On-prem Jira Queue/support tickets that in turn helps the end clients to resolve the issues they experience.
* Proficiently utilize a wide range of **AWS services** including AWS Lambda, AWS API Gateway, AWS DynamoDB, AWS S3, AWS EC2, AWS RDS, and more to architect and develop scalable and reliable applications.
* Design and develop serverless applications using AWS Lambda functions and AWS API Gateway, reducing infrastructure management overhead and improving scalability.
* Implement microservices architecture on **AWS** using services like AWS ECS/EKS, AWS Fargate, or AWS Lambda combined with Docker and Kubernetes, facilitating modular and scalable application development.
* Designed and developed AWS Systems Manager (SSM) Automation Documents to automate routine operational tasks and infrastructure management processes.
* Transformed data among servers using tools **SQL Server** Integration Services and **BCP**.
* Configured and administrated Net backup policies, which include Windows and **Linux** agents, VMware SAN backups, Oracle and SQL agents, and Net backup Accelerator for servers up to 380 TB in size.
* Written **Python** scripts and PowerShell for setting up baselines, branching, merging, and automation processes across the environments using SCM tools like GIT on Linux and Windows platforms.
* Used **Maven** dependency management system to deploy snapshot and release artifacts to Nexus to share artifacts across projects and environments. Built applications using Maven, Gradle scripts.
* Responsible for Installing, administering, repository management, User management in Nexus.
* Involved in checking the quality of the code by using SonarQube.
* Working knowledge/exposure in **TOMCAT APACHE, WEB LOGIC & WEB SPHERE**, formulated and executed designing standards for DNS servers.
* Involved in security testing, Windows Server Administration (WSUS), Infrastructure Solutions, ADD and DNS.
* Web application development using Web forms, C#, VB.net, JCL, Jscript and AJAX control.
* Used SVN for source code repository, code integration, Defect tracking in JIRA and HP QC.
* Deploy application code using **CI/CD** pipeline with Azure DevOps in Azure cloud, scale VM build automation using Azure DevOps in Azure VM agent plug-ins.
* API to provide lightweight containers that run processes isolation and worked on creation of customized Docker container images, tagged and pushed the images to the Docker Hub repository.
* Create a custom image of an **Azure** VM with Azure PowerShell and create a VM scale set and deploy a high available app on Windows with Azure PowerShell.
* Experience in load balance Windows VM in Azure to create high available application with Azure PowerShell and manage Azure Virtual Network for Windows VM with Azure PowerShell.
* Experience in Backup and restore files for Windows VM in **Azure cloud**.
* Handling and maintaining **Azure DevOps** Pipeline with ADO and Terraform.
* Created and maintained infrastructure using **Terraform**, resulting in a more streamlined and efficient deployment process.
* Provisioned Azure resources including AKS clusters, virtual networks, public IP addresses, and storage accounts through Azure Portal, Azure CLI, or Infrastructure as Code (IaC) tools like Terraform or ARM templates.
* Implemented Disaster Recovery solutions using **TerraformIaC** tools to automate deployment across regions.
* Designed and implemented automated infrastructure provisioning using tools like Terraform or Ansible, reducing deployment time and ensuring consistent environments for agro-related applications.
* Utilized **Terraform** to provision and manage Vault infrastructure, such as clusters, storage, and networking components.
* Implemented **Terraform** practices for Rancher to automate cluster provisioning and configuration and Established version-controlled repositories for Rancher configurations to ensure consistency and reproducibility.
* Maintaining **Terraform** for Infrastructure as Code for **Azure** and **GCP**.
* Implementing **Azure Services** such as Azure Active Directory (AAD), Azure Storage, Azure Cloud Services, AzureResource Manager (ARM),Azure Blob Storage, Azure VM, Azure Functions, Azure Application Insights, and AzureService Bus.
* Working knowledge in deploying **CI/CD** system using Azure DevOps on Kubernetes container environment, and for the runtime environment of CI/CD system to build, test and Deployment we have utilized Kubernetes and Docker Designed and automated AZURE Infrastructure as a Service (IaaS) and Platform as a Service (PaaS), SaaS capabilities which includes virtual Machine, container services, virtual network and cloud services.
* Developed Web Services Automation suite for Functional, Regression, Smoke tests using **Python** for REST based API’s
* Developed and maintained Continuous Integration (CI) using tools in Azure DevOps (VSTS) spanning multiple environments, enabling teams to safely deploy code in Azure Kubernetes Services (**AKS**) using YAML scripts.
* Managing the Azure Kubernetes Services( **AKS**) policies, providing access to different resources and developing and improving the workflows that govern access.
* Experience with version control tools such as GIT and Bitbucket. Comprehensive knowledge of source controller concepts including branches, tags, and merges.
* Developed build and deploy scripts using MAVEN and activated them using Jenkins to migrate from one environment to another.
* Worked with Azure Monitoring tools such as Azure Log Analytics, Azure Network Watcher, and Azure Service Health to diagnose and minimize service degradation.
* Experience in using the monitoring tools like Azure monitoring , Dynatrace to setup the desired alerts to avoid disruption.
* Created ARM Template for deploying the resources into Azure using the PowerShell and continuous integration by VSTS.
* Deployed Azure IaaS virtual machines (VMs) and Cloud services (PaaS role instances) into secure VNets and subnets using PowerShell
* Worked on Performance Monitoring, resolving network issues &tuning the system using tools.
* Developing plan for problem and incident response & management process based on Information Technology Infrastructure Library (ITIL).
* Improved team performance and accelerated release cycle accelerate delivery of new features and increase overall product qualities.
* Worked with containerization tool Docker and running containers and services and utilizing docker swarm.
* Creating Chef Cookbooks and Recipes to maintain and automate various parts of infrastructure.
* Responsible for configuration changes, code building, code staging, build automation and deployment using tools like Octopus which also includes scripting in command line, Python, PowerShell, Perl.
* Configuration on WebSphere which includes writing Linux scripts- Shell scripting.
* Continuous Integration using **Maven**, **Jenkins**, Hudson.
* Involved in migration of **Artifactory**&**GIT** server.
* Created **S3 bucket** to host a static website with logging and versioning and customizing the template as per the client's requirement.
* DB administration and scripting in **SQL**, **MySQL**, Oracle databases for report generation and data management.
* Created lambda and wrote lambda function in Python script to stream the data from S3 bucket to Elasticsearch.
* Customized the log monitoring for a better and convenient reading of the logs by creating the indices and passing them on to the **Elasticsearch** which provides a URL for **Kibana** access.
* Responsible for designing & deploying new ELK clusters (Elasticsearch, Logstash, Kibana, beats, Kafka, zookeeper.
* Support efforts to accelerate applications moving to Amazon EKS and ECS.
* Designing and implementing native AWS Container Services such as Amazon’s Elastic Kubernetes Service (EKS) and Elastic Container Service (ECS).
* Responsible for merging, tagging and conflict resolution in **GIT** and administered version control systems to create daily backups and checkpoint files.
* Responsible for User Management, **Plugin** Management and new job design and setup in Jenkins.
* Good experience in converting build.xml into pom.xml to build the applications using Maven.
* Experience in installation, configuration and administration of VMware based virtual servers using ESX/ ESXi servers, vSphere and Virtual Center.
* Worked on **Linux** Utilities: SSH, FTP, User, Process, Memory, Package, Disk and Log Management's and Swap Partition/Files Management.
* Designed and implemented Hypermedia (RESTful) API to integrate iOS application to existing music content database. Result was an adaptable interface to allow users to find SmartMusic content. (ASP.NET Web API, REST, Http, SOA)
* Used Javascript to create a workout timer dynamic overlay, which updates the database via saved timestamps. Workaround was required to save the timestamp on tab out of mobile browser.
* Adept at Angular front-end development, have made native mobile apps in spare time.
* Established communication between VPCs using VPC Peering and Transit Gateway.
* Configured lifecycle configuration rules on S3 buckets to move data between storage classes for easy accessibility, archiving and or cost optimization.

**Environment:**Terraform, AWS,S3, EBS, Elastic Load balancer (ELB), Auto Scaling groups, VPC,IAM, Cloud Watch, Glacier, DynamoDB, OpenStack, shell/Python scripts, GIT, Jenkins, Maven, Nexus, Ansible, Docker, Kubernetes, JIRA, Splunk, Nagios, Python, Nginx, Tomcat, Windows and Linux environment, VMware ESX/ESXI Server and Workstation.

**Client: Neudesic, Newyork**

**Role: AWS DevOps Engineer Dec 2018 – Feb 2021**

**Responsibilities:**

* Designed AWS Cloud Formation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Setup and build **AWS**infrastructure various resources, **VPC EC2, S3, IAM, EBS,**Security Group, Auto Scaling, and RDS in Cloud Formation **JSON**templates.
* Working in implementation team to **build**and engineer servers for **Linux**& **AIX**operating systems.
* Working on AWS cloud to provision new instances. S3 Storage Services. AWS EC2 & **Cloud watch**services. **CI/CD**pipeline management through Jenkins.
* Automated Compute Engine and Docker Image Builds with **Jenkins**and **Kubernetes.**
* Having good implementation experience with installation and configuration of **Kubernetes,** clustering them and managed local deployments in Kuber**netes.**
* Provided consistent environment using **Kubernetes**for deployment scaling and load balancing to the application from development through production, easing the code development and deployment **pipeline**by implementing **Docker**containerization.
* Focused on **containerization**and immutable infrastructure. Docker has been core to this experience, along with **AWS ECS** and **Kubernetes.**
* Integrated **Kubernetes**with network, storage, and security to provide comprehensive infrastructure and orchestrated container across multiple hosts.
* Worked extensively with GCP services such as Compute Engine, Cloud Storage, Cloud SQL, Cloud Functions and Cloud IAM.
* Deployed application which is containerized using Docker onto a Kubernetes cluster which is managed by Amazon Elastic Container Service for Kubernetes (EKS).
* Worked on most of the GCP services like VPC, App Engine, GKE, Cloud Run, Cloud Functions, Database Cloud SQL ,Spanner , Pub Sub and BigQuery.
* Working experience with Azure Resource Manager (**ARM**) to deploy, update, and delete multiple Azure resources, as well as migrating on premise resources to with Azure site recovery (**ASR**), and Azure backups Used Azure DevOps ser vices such as Azure Repos, Azure Boards and Azure Test Plans to plan work and collaborate on code development, built and deployed application.
* Developed, maintained and provided the team with Various Azure DevOps related tools like deployment tools, staged virtual environments, and provisioning scripts Used Shared Image Gallery to store the created images and built Azure pipelines in Azure DevOps to implement all these services in Azure
* Created Docker images using a **Docker file**. Worked on Docker container **snapshots**, removing images and managing **Docker volumes** and experienced with Docker container service.
* Wrote **Ansible**playbooks to manage configurations and automate installation process.
* Used **Ansible**and **Ansible**Tower as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, and proactively manages change.
* Managing the configurations of multiple servers using **Ansible.**
* Managed Artifactory repository for the current project created a new repository and provisioned it.
* Wrote PowerShell scripts to automatically restart the uDeploy agents on LINUX machines
* Performed Automation and Scaling of applications using **Kubernetes.**
* Experience with **Ansible**Tower to manage Multiple Nodes and Manage Inventory for different Environments.
* Used **Ansible**to orchestrate software updates and verify functionality.
* Used **Ansible**to document all infrastructures into version control.
* Used **GIT**as Version Control System for two applications. Managed development streams and Integration streams.
* Used **AWS**Bean Stalk for deploying and scaling web applications and services developed with Java, Node.js, Python and **Ruby**on familiar servers such as Apache, and IIS.
* Worked on **Docker**container snapshots, attaching to a running container, removing images, managing directory structures and managing containers.
* Experience working on several Docker components like Docker Engine, Hub, Machine, **Compose**and Docker Registry.
* Experience working on **docker hub,**creating docker images and handling multiple images primarily for middleware installations and domain configurations.
* Used **Docker**for configuration management automation
* Setup Elastic Load Balancer for distributing **traffic**among multiple Web Logic servers and involved in deploying the content cloud platform on Amazon Web Services using **EC2, S3**and **EBS.**
* Creating the AWS Security groups to enable firewall.
* Automated **AWS**volumes snapshot backups for enterprise using Lambda.
* Created functions and assigned roles in AWS **Lambda**to run python scripts.
* Administration and maintenance of **Docker**runtime environment, Versioning and lifecycle management of **Docker images**, Experienced in Docker orchestration framework.

**Environment:**Linux(RHEL) Redhat, AWS, Puppet, Chef, Amazon EC2, Apache/ Web Server, WebSphere Application Servers Subversion, Maven, Jenkins, Apache Tomcat, JIRA, MS SharePoint XML, UNIX/LINUX, Windows, Perl Scripts, Shell-Scripts, Java/J2EE, Kubernetes, Docker, HortonWorks, Hadoop.

**Client: Interaslabs LLC, India**

**Role: AWS DevOps Engineer Aug2015– Nov 2018**

**Responsibilities:**

* Installed and configured operating systems such as windows and Linux.
* Used CIS Red Hat Enterprise Linux 6 Benchmark to harden newly installed systems. Setup and administer user and groups accounts, setting permissions, web servers, file servers, firewalls, and directory services.
* Involved in monitoring and troubleshooting Network like TCP/IP, NFS, DNS and SMTP in Linux servers and System Activities like CPU, Memory, Disk and Swap space usage to avoid any performance issues.
* Designed and implemented creative solutions that improve system processes through automation and documentation.
* Extensively worked in setting up the enterprise infrastructure on Amazon Web Services (AWS) & EC2 instance, ELB, EBS, S3, Auto Scaling, AMI, RDS, Cloud Formation and Security groups, and Glacier for storage and backup on AWS.
* Used Ansible for application automatic deployment and provisioning to different environments.
* Worked with Chef attributes, Chef Templates, Chef recipes, Chef files for managing the configurations across various nodes using Ruby.
* Expedited Ansible playbooks which is the entry point for Ansible provisioning, where automation is defined through tasks using YAML format &amp; Run Ansible Scripts to provision Dev servers.
* Automated creation of immutable infrastructure (EC2, VPC, ELB, Auto-Scaling etc.) using.
* Extensively used in AWS Virtual Private Cloud to setup and modify settings by interfacing with control layer.
* Using as a tool, Managed different
* Building/Maintaining Docker container clusters managed by Kubernetes, and Orchestration of Dockerimages and Containers using Kubernetes by creating entire master and node.
* Deployed a complete CI/CD pipeline for this project starting from development till the deployment usingJenkins and various other DevOps Open-Source tools and AWS services.
* Viewing and controlling the Processes running on the system and automating repetitive tasks. User Administration by creating, and maintaining User accounts and groups, setting up User environments.
* Configured and Administrated NFS Client/Server, Telnet and FTP.
* Worked with Docker and created Docker file and Docker-compose files to containerize CI/CD pipeline, created custom images and pushed it to Docker Hub.
* Experience deploying Infrastructure as a Code (IaaC) using and GIT Version Control.
* Installed Jenkins master, slave nodes, configure Jenkins builds for continuous integration &amp; delivery.
* Providing 24\*7 on-call support on rotation basis and Handling High priority incidents through bridge calls.

**Technical Proficiency**

Operating Systems : UNIX, Linux Redhat, Centos, Ubuntu, Fedora, Windows Server

SCM Tool : Subversion, GIT, Perforce, Clear case, Nexus, Artifactory

Build Tool : Ant, Maven, Gradle, MSBuild

CI tools : Jenkins, TeamCity, Bamboo, XDeploy.

Bug tracker & Testing : JIRA, Bugzilla, RedMine, Junit, TestFlight, TestRail, TeamCity

Automation Tools : Ansible & Chef

Web Service Tools : Nginx, Apache Tomcat, Web sphere, IIS

Languages/Utilities : Shell Script, Batch Script, Ruby, Python.

Networking : TCP/IP, NIS, NFS, DNS, SAN, SMTP, FTP/TFTP.

Cloud & Networking : AWS, Azure, Apache Cloud-Stack, VMware-Exsi, Cisco Meraki.

BigData Tools : Hadoop, Hbase, MapReduce, HDFS, Sqoop, Flume, Hive, Pig.

Virtualization & Micro Services: Docker, Kubernetes KVM, LXD, Zen Citrix, EXSI, VMware Workstation, Virtual-Box

**EDUCATION:**

* Bachelor of Technology In Information Technology(JNTUH) - 2014