**VIJAY KAMBHAM**

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**Site Reliability Engineer /Sr. Cloud Engineer/Sr. DevOps Engineer/Build & Release Engineer/Java Developer**

**Professional** **Summary**:

* Around 9 Years of experience in IT industry as DevOps/ Agile operations, Linux Administrator, Build/Release Management, Change/Incident Management and Cloud Management.
* Experienced in all phases of the software development life cycle (SDLC) with specific focus on the build and release of quality software.
* Designed, configured, and deployed Microsoft Azure for a multitude of applications utilizing the Azure stack (Including Compute, Web & Mobile, Blobs, Resource Groups, Azure SQL, Cloud Services, and ARM), focusing on high - availability, fault tolerance, and auto-scaling.
* Experience in working on version control systems like Subversion (SVN) and GIT, ClearCase, Stash used Source code management client tools like Visual SVN, Tortoise SVN, Stash, SourceTree, Git Bash, GitHub, Git GUI, and other command line applications etc.
* Experience in deploying Applications, managing infrastructure using tools like Ansible, Chef, Udeploy, and Puppet.
* Strong knowledge of TCP/IP, HTTP, JavaScript, Web Services (e.g., HADOOP, MongoDB, Cassandra), big data, caching mechanism, Load Balancing, multi-data center architecture. Knowledge of using Routed Protocols: FTP, SSH, HTTP, TCP/IP, and HTTPS.
* RHEL8 introduced the concept of "system roles," which are pre-configured roles that simplify the setup and management of various server functionalities.
* Expertise in working and managing various AWS cloud resources EC2, S3, Glacier, EBS, Dynamo DB, Route 53, VPC, NAT, VPN, ELB, EMR, RDS, Elastic beanstalk, CloudFormation, Cloud Trail, Stored gateways, Cloud Watch, Auto Scaling, Access Control Lists(ACL), SNS, SES, SQS and IAM.
* Experience in using Build Automation tools and Continuous Integration concepts by using tools like ANT, Jenkins, Teamcity, QuickBuild, Docker, Buildforge and Maven. Hands on experience on Automation/Build such as Jenkins, Docker, Chef, Puppet, Nexus, Artifactory and Bamboo.
* Experienced in branching, tagging, and maintaining the version across the environments using SCM tools like GIT, Subversion (SVN) and TFS on Linux and windows platforms.
* Extensive experience in implementing DevOps tools and pipelines using Jenkins, Rundeck, Nexus Artifactory, Chef, Puppet, Docker, and Packer etc. for continuous integration and delivery.
* Worked on Salesforce.com configurations such as creating the Custom Objects. Custom fields, and buttons, links. Record types. Page layouts, User Profiles, Workflows approvals and Validating Rules.
* Experience in working on Jenkins, Cruise Control, Team City, Terraform, Bamboo and Hudson for continuous integration and for End to End automation for all Build and Deployments.
* Experience in managing uDeploy configuration, administration, upgrade, security and maintenance of systems, platforms like Web, application and DB tier.
* Experience in Design and Automation of uDeploy Application process, component process, Environment resources model, Plugins, Security Model (Roles, Teams) in uDeploy, Notification Schemes, Environment Gates, and Approval Process.
* Worked with the AWS KMS - API, and implemented the encryption of the secrets with Java and Chef for a better security and encryption.
* RHEL8 introduced the concept of "AppStreams," which allows multiple versions of user-space packages to be available concurrently.
* Good knowledge and experience in using Elasticsearch, kibana and fluentd, CloudWatch, Nagios, Splunk,Prometheus and Grafana for logging and monitoring.
* 2 years of experience in PaaS with RedHat Openshift Containers Platform. Architecting, installing and configuring the platform using tools and technologies like Ansible, Nagios, Bash scripting, Git, ElasticSearch, Fluentd, Logstash, Kibana, Cassandra, Hawkular - Metrics, Prometheus, Grafana, Alertmanager.
* Creating Grafana, Prometheus, Alert manger and Blackbox exporter deployments for the Kubernetes cluster, which helps to, actively monitor and alerts based on the rules configured.
* Installed Prometheus and Grafana using Helm to monitor the application performance in the Kubernetes cluster.
* Automating process by integrating Maven, Nexus, uDeploy and SonarQube with Jenkins and used shell scripts and groovy scripts to automate day to day activities such as branching, tagging and code merge.
* Deploying JAR, WAR and EAR artifacts in application servers using uDeploy and Jenkins
* Experience in writing the SOQL queries, knowledge in Salesforce configuration, data migration, system integration and familiarity with Visualforce (Pages,
* Experience in Java, C, C++, C# and manage software Configurations and builds in a UNIX environment.
* Experience in Migration & deployment of Applications with upgrade version of Application & Hardware, MS build, batch script, IIS, and Jenkins Administrator.
* Extensive experience in developing and maintaining build, deployment scripts for test, Staging and Production environments using ANT, Maven, Shell, and Perl scripts.
* Experience with Oracle and MS SQL Server DB Tasks (DML, DDL Executions, Log Rotations, Table space alterations, user management etc.).
* Experienced in Cloud automation using AWS Cloud Formation templates. Experience in Amazon Web Services EC2, ELB, S3, Route 53, EBS, VPC, AMI, SNS, RDS, Auto Scaling, etc.
* Experience writing and execution of SHELL, Python, BASH and PERL scripts to automate the deployments.
* Experience in customizing Salesforce CRM for generating web-to-leads and web-to-cases
* Managed local deployments in Kubernetes, creating local cluster and deploying application containers.
* Implemented Release schedules, communicated the Release status, created Roll out Plans, tracked the Project Milestones, prepared the reports, and chaired the Release calls and worked for a successful Release.
* Worked in Data Warehouse programming concepts such as SQL Server Stored Procedures, PL/SQL, Tableau, Teradata, JavaScript and HTML.
* Experience in developing Java enterprise web applications using Java, J2EE, Spring, Hibernate and Java Script on various Application Server platforms.

**Technical Skills:**

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| **Operating Systems** | RHEL/CentOS 5.x/6.x/7, Linux-Ubuntu/Fedora, Windows 7/8/XP/10, AWS-Linux CLI, Linux |
| **Cloud Computing** | AWS (EC2, ELB, S3, Cloudformations), OpenStack (Nova, Swift, Glance), Docker containers, API’s, Microsoft Azure, OpenShift. |
| **Backup/Monitoring Tools** | S3 (Simple Storage Service), Cron Jobs, Cloud watch, Splunk, Nagios |
| **Virtualization/ Containerization Technologies** | VMWARE, VSPHERE 5.5/6.0, VCENTER SERVER, AWS ECS, Docker Container services, Pivotal Cloud Foundry, Vagrant. |
| **Cluster Management** | Kubernetes, Docker Swarm |
| **Infrastructure** | AWS, Azure, OpenStack. |
| **CI Tools** | Jenkins (Previously Hudson), Bamboo, AnthillPro, IBM build forge. |
| **Configuration Management** | Chef, Puppet and Ansible. |
| **Software Methodologies** | Agile-SCRUM, Waterfall, RUP, Xtreme |
| **Source Control** | CVS, Tortoise SVN, GIT, GitHub, ClearCase, Bitbucket, TFS. |
| **Networking** | FTP, SSH, HTTP, TCP/IP, HTTPS, VPC, Route-53, LDAP, DNS, FTP, DHCP, SSH |
| **Build and Deploy Tools** | ANT, Maven, Gradle, Jenkins, Bamboo, TeamCity, TFS |
| **ProjectManagement/Bug Tracking Tools** | JIRA Atlassian, Remedy, Bugzilla, HP Quality Centre, VersionOne. |
| **Application/Web Servers** | Apache Tomcat, WebLogic, IBM WebSphere, IIS, JBoss. |
| **Languages/Scripting** | C, C++, C#, Perl Scripting, Bash scripting, Power Shell Scripting, Groovy, Java, SQL, Java/J2EE, Ruby Python, Bash, .Net. |
| **Web-Technologies/ Programming Languages** | Servlets, JDBC, JSP, XML, HTML, Java Script, Java/J2EE, C, C++, Python, Shell scripting |
| **Databases** | Oracle, MS SQL Server, MySQL, MongoDB, Cassandra NoSQL Database, PostgreSQL. |

**Professional** **Experience**:

**Hilton Operations – Memphis TN**   **Jul 2021 – Present**

**Role: Sr. Infrastructure Engineer/Sr. DevOps Engineer**

**Responsibilities**:

* Experience creating pods and clusters in Kubernetes and deploy those using OpenShift. Good understanding of OpenShift platform in managing Docker containers and Kubernetes Clusters.
* Worked in container based technologies like Docker, Kubernetes and Openshift.
* Point team player on Openshift for creating new Projects, Services for load balancing and adding them to Routes to be accessible from outside, troubleshooting pods through ssh and logs, modification of Buildconfigs, templates, Imagestreams, etc
* Used Docker, Kubernetes and OpenShift to manage micro services for development of continuous integration and continuous delivery.
* Worked on the Deployment, Configuration, Monitoring and Maintenance of OpenShift Container Platform.
* **Openshift** virtualized PaaS provider - useful in automating the provisioning of commodity computing resources for cost and performance efficiency.
* Deployed OpenShiftEnterprise v4.0-4.11 on RedHat 7 environment and integration wif private Docker Registry.
* Deployed a UPI environment for OpenShift 4.1-4.1.18 on RHEL 8 env having core Operators.
* Configured EC2 Instances for RedhatOpenShiftnodes wif EBS block storage for persistent volumes, and S3 buckets forOpenShift registries along wif snapshots for backups.
* Application deployments with ANSIBLE on CentOS and RHEL. Created ANSIBLE supported YAML scripts to restart JBoss, Tomcat, and Jetty servers through GUI.
* Created and wrote shell scripts (Bash), Ruby, Python, Groovy, Yaml and PowerShell for automating tasks.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, PHP, Python, Ruby, and Docker.
* I wrote multiple Terraform modules for deploying Couchbase Clusters as well as AWS services including EKS, VPN, IAM, Route53, etc.
* Created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins.
* Developed build & deployment scripts using MAVEN. Automated the process using plugins available Jenkins and move from one environment to other throughout the build pipeline.
* Implemented a Continuous Delivery pipeline with Docker, Jenkins and GitHub and AWS AMI’s
* POC on Implementing AWS Kinesis based consumers in Lambda and pipeline data to a data lake while allowing real time analytics using DynamoDB and ordering based on the location of mobile users and ordering trends
* Responsible for monitoring the AWS resources using Cloud Watch and application resources using Nagios.
* Launched AWS instances using auto-scaling for scaling up and scaling out of EC2 instances while deploying Micro Services into production environment.
* Performed work on the defined use cases and implemented Salesforce to achieve the same. Involved in the analysis and identification of the functional requirements of the business.
* Implemented AWS Code Pipeline and Created Cloudformation JSON templates in Terraform for infrastructure as code.
* Extensively involved in infrastructure as code, execution plans, resource graph and change automation using Terraform.
* Write terraform scripts from scratch for building Dev, Staging, Prod and DR environments.
* Provide Security audit/review of 3rd party SaaS providers. Performs AWS security assessments of AWS individual services and accounts using AWS tools and 3rd party along with Container security and credentials automation for Dev and Production.
* Worked on Build servers using AWS, Importing volumes, launching EC2, RDS, creating AWS security groups, auto-scaling, load balancers ( ELBs ) in the defined virtual private connection.
* Understanding of secure-cloud configuration, (CloudTrail, AWS Config), cloud-security technologies (VPC, AWS Security Groups, etc.) and cloud-permission systems (IAM).
* RHE8 transitioned from YUM (Yellowdog Updater Modified) to DNF (Dandified YUM) as the default package manager.
* Working in setting up Virtual Private Cloud, Subnets, routing table, internet gateway Access control list and AWS security groups.
* Responsible for ensuring Systems & Network Security, maintaining performance, and setting up monitoring using Cloud Watch and Nagios.
* Developing Microservices RESTful APIs that provides fast and efficient data exchange against SQL and NoSQL Databases for the BI SaaS product.
* Used Data Loader for insert, update, and bulk import or export of data from Salesforce.com Objects. Used it to read, extract, and load data from comma separated values (CSV) files.
* RHEL8 continued to emphasize containerization technologies, with support for Docker and Podman.
* Worked with application teams to install operating system, Hadoop updates, patches, version upgrades as required. Integrated Kafka with Spark in sand box Environment. Implemented a distributed messaging queue to integrate with Cassandra using Apache Kafka and Zookeeper.
* Expertise in quality checks like code quality, Static Code Analysis, Application Code Security Scans, Test Case analysis, Performance Testing using tools like SonarQube, Fortify.
* Created and managed CI/CD pipeline Using Jenkins, Nexus, Git to improve the efficiency and produce or release bug free or highly effective applications to the end users or customers.
* Used Jenkins. BitBucket to perform Salesforce and mule module deployments.
* Installed Kafka manager for consumer lags and for monitoring Kafka Metrics also this has been used for adding topics, Partitions etc.
* Worked on Azure Devops (Visual Studio Team Services) Confidential to manage a backlog for the daily activities.
* Used Azure Devops, Octopus, Github Actions to build the CI/CD pipelines.

**Environment**: AWS EC2, Openshift,RedHat,S3, RDS, Dynamo DB, EBS, and Elastic Load Balancer, Auto scaling groups, Cloud Trail, Elastic Bean Stalk, Route 53, Storage Gateways and Elastic Cache, VPC, Subnets, NAT, Cloudformation, Cloud Watch, IIS 7.5, IIS 6.0, Windows Server 2008R2/20012 R2/2016, Salesforce, Microsoft Azure IaaS. SQlServer2016/2014, Oracle, Tomcat Management., Kubernetes, Git, Jenkins, Nexus, Maven, Gradle, Windows Servers, RHEL8, Web Sphere Application Server (WAS), Web Logic, JBOSS Servers, UNIX, Ansible, Shell Script, Bitbucket, JIRA, API Management, APIGEE, and Micro Services.

**Panasonic – Farmington Hills, MI**  **Jan 2019 – Jun 2021**

**Role: Sr. Azure Cloud Engineer/ Site Reliability Engineer**

**Responsibilities**:

* Diverse experience in all phases of software development life cycle (SDLC) especially in Analysis, Design, Development, Testing and Deploying of applications.
* Created recommendations on how to duplicate a subset of on-premises machines to the Azure Infrastructure as a Service (IAAS) offering which will be used for disaster recovery. This analysis included the specifics to synchronize on-premises data with SQL Server and SharePoint instances hosted in VMs.
* Worked on Azure Site Recovery and Azure Backup- Deployed Instances on Azure environments and in Data centers and migrating to Azure using Azure Site Recovery and collecting data from all Azure Resources using Log Analytics and analyzed the data to resolve issues.
* Conducted Functional testing, Regression Testing using selenium with Data-driven framework and Key- Word driven framework.
* Implemented Data driven frame work while developing the automated test scripts using Selenium Web Driver.
* Implemented a CI/CD pipeline with Docker, Jenkins (TFS Plugin installed), Team Foundation Server (TFS), GitHub and Azure Container Service, whenever a new TFS/GitHub branch gets started, Jenkins, our Continuous Integration (CI) server, automatically attempts to build a new Docker container from it.
* RHEL8 enhanced system security with features such as the introduction of the "System-wide Cryptographic Policies," which simplifies the management of cryptographic settings across the system.
* Automated different manual Salesforce administrator operations of the bank by using Process Builder. Involved with the developer teams in order to develop apex codes for the same, which is performed as a continuous research towards automating different processes in the bank.
* Implemented Azure DevOps Services for project management tasks, source code repository, continuous integration and deployment.
* Worked with Terraform Templates to automate the Azure IaaS virtual machines using terraform modules and deployed virtual machine scale sets in production environment.
* Deployed and configured Hadoop and Teradata code through CICD tools.
* Worked on multiple phases of implementation such as gathering Teradata performance metrics and gain approval from the DBA, Mainframe standards-met approval, Scheduling approval, Changeman packages approval, monitoring the installation etc.
* Managed Azure Infrastructure Azure Web Roles, Worker Roles, VM Role, Azure SQL, Azure Storage, Azure AD Licenses, Virtual Machine Backup and Recover from a Recovery Services Vault using Azure PowerShell and Azure Portal.
* 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 the runtime environment of the CI/CD system to build, test and Octopus Deploy.
* Using Ansible created multiple playbooks for machine creations and SQL server, cluster server and my SQL installations.
* Used Ansible to Setup/teardown of ELK stack (Elasticsearch, Log stash, Kibana) and troubleshoot the build issues with ELK and work towards the solution.
* Performed the entire Salesforce deployments using auto deploys in Salesforce. performing Deletes by pulling the delete scripts from the respective branches and executing them in anonymous window in developer console
* Written Ansible handlers with multiple tasks to trigger multiple handlers and to decouple handlers from their names, making it easier to share handlers among Playbooks and Roles.
* Managed Kubernetes charts using Helm, Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and Managed releases of Helm packages.
* RHEL8 included an updated kernel and various performance improvements to optimize the system's overall efficiency.
* Implemented Docker -maven-plugin in Maven pom.xml files to build Docker images for all microservices and later used Docker file to build the Docker images from the Java jar files.
* Designed, wrote, and maintained systems in Python scripting for administering GIT, by using Jenkins as a full cycle continuous delivery tool involving package creation, distribution, and deployment onto Tomcat application servers via shell scripts embedded into Jenkins jobs.
* Maintained Artifacts in binary repositories using JFrog Artifactory and pushed new Artifacts by configuring the Jenkins project Jenkins Artifactory plugin.
* Involved in Jira as defect tracking system and configure various workflows, customizations, and plugins for Jira bug/issue tracker integrated Jenkins with Jira, GitHub.
* Worked with Nagios for Azure Active Directory & LDAP and Data consolidation for LDAP users. Monitored system performance using Nagios, maintained Nagios servers, and added new services & servers.
* Built and managed a highly available monitoring infrastructure to monitor different application servers like JBoss, Apache Tomcat and its components using Nagios.
* Working on Azure Cloud Platform with Kanban Methodology.
* Implemented Hadoop clusters on processing Big Data pipelines using Amazon EMR and Cloudera whereas it depended on Apache Spark for fast processing and for the integration of APIs. At the end, we managed the above resources using Apache Mesos.
* Performed Quality Compliance Analysis of Code Quality, Static Analysis, Security / Vulnerability Scans by using tools SonarQube, Fortify, Cobertura.
* Configured and Monitored Azure Sentinel (SIEM - Security Information and event management tool)
* Written Policy-as-code using Terraform Sentinel.
* Experience in using New Lightning UI to bring Salesforce
* Integrated terraform with sentinel simulator. Designed sentinel policies using sentinel language, to define rules that restrict the provisioning of resources by Terraform configurations. Performed test runs for the policies against the terraform code and attached them to workspaces.
* Configured Azure DevOps Pipelines VSTS/TFS CICD Pipelines, Build Jobs, Plugins, Workflows in Non-Prod & Prod environments and integrate VCS using Git.
* Deployed and customized Azure Security Policies Through Azure CLI and deployed on Management Groups, customized the existing policies and deployed though Terraform on NPE and Prod Environment.
* Developed CI/CD pipelines for Java/Node.js/React applications which are deployable in Google Kubernetes Engine and Google App Engine using Jenkins/Spinnaker and Helm charts.
* Using Infrastructure as Code pattern IaC to automate the Architecture.
* Regulatory & Compliance adherence across multiple firm portfolios for SOX, FedRAMP, FedRAMP Tailored, DoD SRG, ISO27001, PCI & HIPAA, FISMA, ITAR, GDPR
* RHEL8 continued to use the subscription management model for updates and support, allowing administrators to easily manage and track their systems' subscription status.
* Designing infrastructure to become compliant with Fedramp and working to use FIPS encryption
* Configured WAF with HA for Reverse proxy in Azure platform and exposed VMs and cloud services to the Internet.
* Configured Forward Proxy and Reverse Proxy setup by utilizing F5 BIG-IPs in Azure Cloud platform.
* Practical experience of spinning up multiple resources in minutes using ARM templates to reduce repetitive work.
* Configured Cloud Network Architecture using Azure Virtual Networks, VPN and Express Route to establish connectivity between on-premises and Cloud.

**Environment:** Azure, PCF, Office 365, Terraform, Maven, Jenkins, Ansible, Azure ARM, Azure AD, Azure Site Recovery, Kubernetes, Python, Ruby, XML, Shell Scripting, PowerShell, Nexus, JFrog Artifactory, Jenkins, Git, Jira, GitHub, Ansible, Docker, Windows Server, TFS, VSTS, Salesforce, LDAP, Nagios, Microsoft WindowsAzure ,RHEL8,Windows Server 2008/2012R2/2016, RedHat, Ubuntu, Microsoft SQL Server, Microsoft Visual Studio, Data Factory, Function Apps (.Net Core and C#), Web Apps, Automation Accounts, Logic Apps, IAM, Windows PowerShell, JSON, Shell, Pester.

**H W Kaufman Group – Farmington Hills, MI**  **Oct 2017 – Dec 2018**

**Role: Sr. Aws Engineer/ Cloud Platform Engineer**

**Responsibilities**:

* Diverse experience in all phases of software development life cycle (SDLC) especially in Analysis, Design, Development, Testing and Deploying of applications.
* Implemented AWS solutions using EC2, S3, RDS, Dynamo DB, EBS, and Elastic Load Balancer, Auto scaling groups, Cloud Trail, Elastic Bean Stalk, Route 53 and Elastic Cache.
* Created highly available and scalable infrastructure in AWS cloud by using various AWS services like EC2, VPC, Security Groups, Network ACL, Auto scaling, ELB, RDS, Cloud Watch, Route53, S3, IAM, Elastic Bean Stalk, EBS, SNS, SQS.
* Implemented continuous deployment system with Jenkins, AWS Code Deploy, Ops Works and monitored the Infrastructure using AWS Cloud Watch.
* Installed and configured Splunk Light, Heavy weight forwarders and integrated wif OpenShift-logging Fluentd Secure forwarder and wifVault cluster Fluentdforwarder plugin td-agent to forward logs onto On-Prem Splunk.
* Managedopenshiftmaster, nodes wif upgrades, decommission them from active participation by evacuating the nodes and upgrading them.
* Worked in container based technologies like **Docker**, **Kubernetes** and **Openshift.**
* Automated provisioning and scaling of Couchbase cluster using AWS Ops Works stacks.
* Used Jenkins and pipelines to drive all micro-services builds out to the Docker-registry and then deployed to Kubernetes, Created Pods and managed using Kubernetes.
* Integrated existing systems into AWS/EC2 cloud infrastructure. Built/maintain ansible playbooks and used that to push out bi-weekly application updates.
* Preparation of Test scripts using Selenium Web driver (Automation tool) with java for Functional Test cases.
* Managing the Openshift cluster that includes scaling up and down the AWS app nodes.
* Operated on several prototype **OpenShift** projects involving clustered container orchestration and management.
* Deploying applications **on AWS cloud platform** using **OpenShift and other Devops tools.**
* Involved working with **a PaaS** solution such as **RedHat Openshift** .
* Had very strong exposure using ansible automation in replacing the different components of Openshift like **ECTD**, **MASTER, APP, INFRA**, **Gluster**.
* Worked on developing procedures to automate various systems and tasks (e.g. automating code builds and deployments) using Jenkins, Git, Docker, ANSIBLE, Cloudformation etc.
* Experience in writing the SOQL queries, knowledge in Salesforce configuration, data migration, system integration and familiarity with Visualforce (Pages, Components, Controllers) MVC architecture and Apex (Classes. Controllers & Triggers),
* Worked on Kubernetes and Docker for the runtime environment of the CI/CD system to build, test and deploy.
* Monitored and tracked SPLUNK performance problems, administrations, and open tickets with SPLUNK.
* Installed and configured IIS web server on Microsoft Windows 2012/2012R2 /2016 server accordingly.
* Perform hands-on activities involved in creating cloud infrastructure components.
* Worked extensively on configuring, installing and migrating VM Servers between different clusters.
* Performed design, deployment, configuration, and maintenance of scalable Cloud infrastructure; with an intense focus on Quality and Security.
* Experience to convert process from Legacy (SAS, Teradata) to Cloud (SQL, Python, Snowflake, AWS)
* Designed AWS CloudFormation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of Web applications and database templates.
* Worked with AWS CloudFormation templates to create custom sized VPC, subnets, NAT to ensure successful deployment of web applications and database templates.
* Implement and manage Monitoring services with SQS, SNS, CloudWatch, and CloudFormation.
* Configured and managed cloud infrastructures using Amazon Web Services (AWS), which includes EC2, S3, IAM, VPC, CloudWatch and CloudFormation.
* Performed Salesforce.com Administrator activities where I was responsible for Creating Roles. Profiles.
* Worked on EC2, Lambda, ELB, VPC, Kinesis, OpsWorks, SES, SQS, SNS, SWF, RDS. Automated the cloud deployments using Chef and AWS CloudFormation Templates.
* Automated the cloud deployment using Chef, Python and AWS CloudFormation Templates. Used Chef for unattended bootstrapping in AWS.
* Helping team migrate repositories from different source control systems to TFVC and GIT repositories in VSTS (Azure DevOps)
* Deployed NSGs, VMs in a resource group using PowerShell.
* Deployed new VMs for Development and Test Environment using PowerShell.
* Scripting and automation to move workloads and improve operations and support
* Configured VMs in availability sets using ARM templates to provide resiliency for IaaS based solution and scale sets using Azure Resource Manager to manage network traffic.
* Deployed VNETs and Site-Site VPN using PowerShell and deployed VMs into various Subnets and enabled communication between Subnets.
* Configured Ansible to manage AWS environments and automate the build process for core AMIs used by all application deployments including Auto scaling, and Cloudformation scripts.
* Implemented monitoring functionality of docker containers using Grafana, Prometheus and blackbox-exporter
* Worked on the monitoring tools and visualization tools like Prometheus and Grafana and monitoring the Kubernetes pod metrics in regular intervals of time.
* Performed installation and managed Grafana to visualize the metrics collected by Prometheus.
* Worked on Ansible playbooks for Kafka, Grafana, Prometheus and it’s exporters.
* Set up and maintained Logging and Monitoring subsystems using tools loke; Elasticsearch, Fluentd, Kibana, Prometheus, Grafana and Alertmanager.
* stablished infrastructure and service monitoring using Prometheus and Grafana.
* Perform troubleshooting and diagnosis to hardware/software network failures and provide resolutions.
* Configured SQL Server 2016 and 2012R2 on to Azure VMs.
* Deployed the applications on multiple IIS application Servers and maintained Load balancing, high availability and Fail over functionality.
* Installed, configured and maintained NFS, DNS and FTP services Wildcard and Multi Domain SSL certificates, Couchbase and manipulating JSON data in Couchbase Server through N1QL
* Installing windows roles, features and deploying applications using PowerShell scripting.
* Good working experience with PowerShell 5.1, 3.0 on windows server 2008R2/2012R2/2016 environments.
* Created user accounts, modified and deleted according to the environment using user administration in Active Directory.
* Working experience in setting up cluster environment for load balancing and high availability of Windows servers.
* Well-versed with installation, configuration & administration of Microsoft Windows 2008R2/2012R2 Servers.
* Good working experience on PowerShell scripting And MS Web Deploy for creating Websites.
* Configuration of Microsoft DevTest Labs to migrate the virtual machines from one subscription to another subscription.
* Managing day to day activity of the cloud environment, supporting development teams with their requirements.
* Creating Labs, Virtual Machines along with setting up policies and using Formulas and Custom Images to deploy the network.
* Managing the ticketing system of Rackspace to resolve issues on the cloud environment with the cloud management third party team.
* Utilized NSGs for layer 4 Access Control List (ACLs) for incoming and outgoing packets.
* Used firewall appliance where requirements call for layer 7 security models.
* Leveraged VNET system routes and underlying route table that holds Local VNet Rules, On-premise Rules, Internet Rules and IP Forwarding as design basis.
* Designed User Defined Routes with custom route tables for specific cases to force tunnelling to the Internet via On-premise network and control use of virtual appliances in the customer's Azure environment.
* Configured BGP routes to enable ExpressRoute connections between on premise data centres and Azure cloud.

**Environment**: AWS EC2, S3, RDS, Dynamo DB, EBS, and Elastic Load Balancer, Auto scaling groups, Cloud Trail, Elastic Bean Stalk, Route 53, Storage Gateways and Elastic Cache, VPC, Subnets, NAT, Cloudformation, Cloud Watch, IIS 7.5, IIS 6.0, Windows Server 2008R2/20012 R2/2016, Microsoft Azure IaaS. SQlServer2016/2014, Oracle, Tomcat Management., Kubernetes, Git, Jenkins, Nexus, Maven, Gradle, Windows Servers, Web Sphere Application Server (WAS), Web Logic, JBOSS Servers, UNIX, Ansible, Shell Script, Bitbucket, JIRA, API Management, APIGEE, and Micro Services.

**Orion Health - Boston, MA**  **Dec 2016 – Aug 2017**

**Role: AWS Cloud Engineer/Sr. DevOps Engineer**

**Responsibilities**:

* Build servers using AWS includes importing necessary volumes, launching EC2 instances, S3 for object static webpages and created AWS security groups, auto scaling, load balancer, Route 53 and SNS as per architecture using IAAC tools like Cloudformation JSON Templates.
* Created customized Amazon Machine Images based on already existing AWS EC2 instances by using create image functionality snapshot for disaster recovery. Used Boto3 to automate, Auto scaling policy for automating auto-scaling groups, Elastic load balancers, and launch configurations.
* Worked with Terraform key features such as Infrastructure as code, Execution plans, Resource Graphs, Change Automation and extensively used Auto scaling launch configuration templates for launching amazon EC2 instances while deploying Micro services.
* Create develop and test environments of different applications by provisioning Kubernetes clusters on AWS using Docker, Ansible, and Terraform.
* Working on creating the automated pipeline for sentinel policy workspaces for terraform enterprise code.
* Working on the sentinel policies for terraform enterprise.
* Worked on Sentinel scan before infrastructure Provision and Inspec scans after teh deployment.
* Worked on Maven to create artifacts from source code and deploy them in Nexus central repository for internal deployments. Deployed built artifacts to WebLogic application server using MAVEN.
* Application deployments with ANSIBLE on CentOS and RHEL. Created ANSIBLE supported YAML scripts to restart JBoss, Tomcat, and Jetty servers through GUI.
* Migrating a production infrastructure into an Amazon Web Services (AWS) utilizing AWS Cloudformation, Code Deploy, Chef and EBS. Used Amazon web servers for continuous delivery systems.
* Created and wrote shell scripts (Bash), Ruby, Python, Groovy, Yaml and PowerShell for automating tasks.
* Used AWS Beanstalk for deploying and scaling web applications and services developed with Java, PHP, Python, Ruby, and Docker.
* I wrote multiple Terraform modules for deploying Couchbase Clusters as well as AWS services including EKS, VPN, IAM, Route53, etc.
* Created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins.
* Developed build & deployment scripts using MAVEN. Automated the process using plugins available Jenkins and move from one environment to other throughout the build pipeline.
* Implemented a Continuous Delivery pipeline with Docker, Jenkins and GitHub and AWS AMI’s
* Implemented AWS Code Pipeline and Created Cloudformation JSON templates in Terraform for infrastructure as code.
* Extensively involved in infrastructure as code, execution plans, resource graph and change automation using Terraform.
* Write terraform scripts from scratch for building Dev, Staging, Prod and DR environments.
* Provide Security audit/review of 3rd party SaaS providers. Performs AWS security assessments of AWS individual services and accounts using AWS tools and 3rd party along with Container security and credentials automation for Dev and Production.
* Worked on Build servers using AWS, Importing volumes, launching EC2, RDS, creating AWS security groups, auto-scaling, load balancers ( ELBs ) in the defined virtual private connection.
* Understanding of secure-cloud configuration, (CloudTrail, AWS Config), cloud-security technologies (VPC, AWS Security Groups, etc.) and cloud-permission systems (IAM).
* Working in setting up Virtual Private Cloud, Subnets, routing table, internet gateway Access control list and AWS security groups.

**Environment**: AWS, Terraform, Chef, Ansible, Docker, Jenkins, Git, Jira, Jenkins, Kubernetes, Maven, Nagios, ELK, Java, SonarQube, Shell, Bash, Python, DynamoDB, Cassandra, Git, SVN, Maven, Ant, Jenkins, Chef, Tomcat, Jira, JBoss Application Servers, Apache Tomcat, ELK, Agile/Scrum, SDLC, Windows, Docker, Nginx, AWS EC-2, Route 53, S3, VPC, ECS, Elastic Beanstalk, SQS, Autoscaling, ELB, Shell Scripts, Python, Campaign Packaging Tool, Unix/ Linux environment.

**Rational Technologies – Hyderabad, India**  **Jan 2015 - Nov 2016**

**Role: Sr. Java Developer/ Build & Realease Engineer**

**Responsibilities**:

* Worked for Software Configuration Engineer Platform team responsible for specialization areas related to Chef for Cloud Automation. Managed the configuration of Web App and Deployed to AWS cloud server through Chef.
* Manage source control repository in Subversion- controlling and monitoring check-in's & create tags for builds.
* Created API specification documentation using Swagger.
* Involved in Chef-infra maintenance including backup/monitoring/security fix and on Chef Server backups.
* Extensively worked with version control systems like GIT, CVS, Perforce version, Subversion control systems.
* Developed Python career path through professional development while working on Python projects.
* Completely responsible for automated infrastructure provisioning (Windows and Linux) using Chef Scripts.
* Create and maintain fully automated CI/CD pipelines for code deployment using Octopus Deploy and Powershell.
* Corteva Azure Architecture is Read Only through Portal. Utilized PIM for troubleshooting critical application issues. Creation of resources will be through Azure DevOps release pipeline using contributor SPN role (IaaC).
* 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.
* Managing Windows and Linux servers, troubleshooting IP issues and providing support to multiple Application teams.
* Designed and configured Azure Virtual Networks (V-Nets), Subnets, Azure Network Security Groups, DNS Settings, Security policies and Routing.
* Written runbooks in PowerShell and deployed using CICD Az DevOps to Automation Accounts. Release pipelines use Azure AD Application Registration service principal in the Azure DevOps service connections for authentication to Azure. Runbook uses connections for Authentication.
* Implemented custom application support RBAC role and written automation script for assigning this role to specific environment based on PROD and Non-PROD resource groups.
* Effectively using Log Analytics workspace and good understand/experience with Kusto Query Language.
* Written Shared ARM templates V2 and stored in storage accounts, these templates will be referred by application team ARM templates for deploying security and custom domain extensions.
* Developed the build CI/CD pipeline script using different programming languages like Groovy, Shell and Python and secure them with Apache Kafka, Apache Nifi and Agile methodologies.
* Written unit test cases using Pester framework and integrated unit tests and runbooks in the Az DevOps Build pipelines.
* Implemented Azure Policy Custom to Deploy SQL DB retention day to 21 if the retention days is less than 21. Corteva Retention Policy for data is 21 days.
* Written Automation scripts in PowerShell, which make API calls to Azure DevOps and find users who have not accessed Azure DevOps for more than 90 days (Cost Optimization Project).
* Configured and monitored multiple servers using Chef. Defined Chef Server and Workstation to manage and configure nodes.

**Environment**: Java/J2EE, Tortoise SVN, Jenkins, AWS, Chef, Docker, ANT, MAVEN, GIT, Web Sphere, Perl Scripts, Shell Scripts, XML, LINUX, UNIX, C#, VB.NET, ADO.NET, ASP, ASP.NET, Oracle10g/11g, JIRA, Python Scripting.

**EDUCATION**: Bachelor’s in Computer Science Engineering, Jawaharlal Nehru Technological University - Kakinada, India. **April 2015.**