 Rajavardhan Reddy

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**DevOps/Cloud Engineer / Linux Administrator**

**PROFESSIONAL SUMMARY**

* 8+ **years** of experience in IT industry comprising of **AWS** cloud, **DevOps**, Automation, building, dealing with and releasing code from one environment to different environment and deploying to servers.
* Extensively worked on **AWS** Cloud platform and its features that include **EC2, VPC, EBS, EKS, ELB, S3, RDS, EBS, Cloud Watch** and In-depth understanding of the principles and best practices of **Software Configuration Management** (SCM) processes, which include compiling, packaging, deploying and Application configurations.
* Involved in **AWS EC2/VPC/S3/SQS/SNS/ECS/EKS** based automation thru **Terraform**, **Ansible**, **Python** and **Bash** Scripts. Experience in developing **AWSCloud Formation Template** to create custom sized **VPC**, **Subnets**, **EC2** instances, **ELB**, **Security Groups**. Performed application security auditing using SAST and DAST to ensure security of applications.
* Defines the long running tasks to an instance **ECS\_CLUSTER** variable is described in the configuration management.
* Written Cloud Formation Templates (**CFT)** in **JSON** and **YAML** format to build the **AWS** services with the paradigm of Infrastructure as a Code.
* Experience on AWS Cloud Migration.
* Developed the connection with the user interface related to the environment in Apache Airflow.
* Leveraged **AWS** cloud serv*i*ces such as **EC2**, auto-scaling and VPCtobuild secure, highlyscalable, and flexible systems that handled expected and unexpected load bursts.
* Worked on **Microsoft Azure** components like (IAM) Identity Access Management (**Active Directory and Multi-Factor Authentication), Azure Virtual Machines, Storage Blobs, File Service, Networking, BizTalk, and Scheduler.**
* Experience working with micro-service technologies & Containerization tool such as **Docker** used to containerize and deploy applications on **Kubernetes** clusters.
* Experience with installing configuring **OpenShift** and maintain **high availability** solution in configuring your masters and maintaining the nodes.
* Used **Docker** to implement a high-level **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**.
* Created and deployed **VMs** on the **Microsoft cloud service Azure**, managed the virtual network, Azure AD and SQL. Provisioned environments to deploy code in **Azure VM and Java** and migrated application from **On-Premises** to **PaaS**.
* Hands on experience in **OpenShift** containers, maintaining pods and managing **Kubernetes** in automating deployment, scaling and management of Containerized applications.
* Experience on **Ansible** developing the code from scratch built the modules, playbooks, and integration.
* Experience in AWS Cloud Computing services, such as **IAM, EC2, S3, EKS, AMI, VPC, Auto-Scaling, Security Groups, Route53, ELB, EBS, EMR, RDS, SNS, SQS, CloudWatch, CloudFormation, CloudFront, Snowball** and **Glacier**.
* Worked on various configurations and networking of **NFS, DNS, LDAP, HTTP, HTTPS, FTP**, remote access management, and security trouble shooting skills.
* Deploy **OpenShift**Enterprise v3.x on RedHat 7 environment and integration with private **Docker Registry**. Managed **OpenShift**master, nodes with upgrades, decommission them from active participation by evacuating the nodes and upgrading them.
* Experience in installation and management of network related services like **DNS**, **Apache**, **LDAP, SAMBA, HTTPD, NTP, VSFTP, PROFTP, SMTP, SQUID, Active Directory, Postfix, Send mail, FTP, Remote Access**, HP/UNIX, SUN/Solaris, and IBM/(WEBSPHERE,AIX), Security Management & Security troubleshooting skills.
* Implemented continuous integration and deployment using various **CI/CD** tools like **Jenkins, Concourse, Nexus, GIT** and **SVN** also managed and created infrastructure using **Ansible** as configuration management tool.
* Experience in working on version control systems like **Subversion** and **GIT** and used Sourcecontrol management client tools like **Visual SVN, Tortoise SVN, SVN X, Uber SVN, Stash, Source Tree, GIT Bash, GitHub, GIT** GUI and other command line applications etc.
* Experienced in building the artifacts using Maven automation tool and storing the build artifacts into **Nexus** repository and deploying it to **WebSphere/Tomcat** server.
* Hands on experience with Web and Application Servers such as **Apache HTTPD**, Light httpd, **Nginx**, **Tomcat**, **WebLogic,** and **WebSphere** and well versed in **python** and Python scripting to automate the WebSphere Administration tasks in Development and Testing Environment
* Good understanding of the principles and best practices of **Software Configuration Management** (SCM) in **Agile**, **scrum**, and **Kanban** methodologies. Developed advanced web-based applications using **JavaScript**,**GCP**Web Services and Databases like **Oracle**, **MS-Access,**and **SQL** Server**.**
* **Experience** in development and administration of the containerized platforms like **Kubernetes** and **OpenShift**; resolved issues with the custom **build** scripts and sluggish pods in the **OpenShift** platform.
* Provide SME in all areas of Cloud (**IaaS, PaaS, SaaS**) to existing and perspective clients on multiple cloud platforms **vSphere**, **cloud**, **Cloud Stack**, **Azure**, **AWS,Java**, and various PaaS platforms such as **CloudFoundry** and**OpenShift.**
* Used **SonarQube, Bugzilla** and **JMeter** to perform the Security Scans, defect tracking, defect reporting and defect reproducing and to maintain the source code quality using **SonarQube**.
* Experience in installation, configuration and management of monitoring tools like **Zabbix, Nagios, Splunk** and logging tool like **ELK** and built Elasticsearch, Logstash (CloudWatch Log), Kibana **(ELK Stack**) by Setting-up a load-balanced **Elasticsearch** cluster on AWS with Auto-scaling for high availability.
* Experience working with VMware ESXi 5.1/5.5/6.0, vCenter Server, Host Clustering with HA, DRS, Replication Manager 5.x/6.0, Site Recovery Manager, Snapshots, Motion, Physical to Virtual Migration and Managing **SAN** Datastores with iSCSI, **NFS**& FC.
* Installed and Configured **- NFS, NIS, DNS, Mail Server, Apache Web Server** on various flavours of **Red Hat Linux and Solaris**.
* Experience automating deployments on Servers using **JBoss**, **Tomcat**, and **WebSphere**. And worked extensively with different Bug tracking tools like **JIRA**, **Remedy**and **HPQuality centre**.

**EDUCATION**

* Bachelor of Technology from CMRIT, JNTUH, Hyderabad, India 2012

**TECHNICAL SKILLS**

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| --- | --- |
| **Cloud Technologies** | Amazon Web Services (EC2, S3, EBS, RDS, ELB, EIP, Route 53, Auto scaling, VPC, Cloud Formation). Elastic Cache, Route 53 (DNS), Cloud Formation, Cloud Watch, Kinesis, Redshift, SQS, Glacier, Lambda, MS Azure |
| **Configuration Management** | Chef, Puppet, Ansible |
| **Build Release Tools** | Jenkins, Maven, Nexus, Gradle, SonarQube, ANT |
| **Monitoring tools** | Nagios, Splunk |
| **Containers / Virtualization** | Docker, Kubernetes, VMWare, vSphere, vCenter |
| **SCM Tools** | GIT, SVN, GitHub, Bitbucket |
| **Scripting Languages** | JavaScript, Python, PHP, JSON, YAML, Bash, shell |
| **Servers** | Apache Tomcat, WebLogic, WebSphere, Windows Server 2012 |
| **Bug Tracking** | JIRA, Confluence  |
| **Operating systems** | Red Hat Enterprise Linux, CentOS, Ubuntu, Unix, Window Server 2012/14/16.HP/UNIX, SUN/Solaris, and IBM/(WEBSPHERE,AIX), |
| **Databases** | MYSQL, Microsoft SQL Server, AWS Aurora and Dynamo-db., MongoDB |
| **Protocols Services** | HTTP, HTTPS, FTP, DNS, DHCP, TCP/IP, NFS |

**PROFESSIONAL EXPERIENCE**

**Client name: DXC Technologies-Dallas, Texas October 2018 - Present**

**Role: DevOps Linux Engineer**

* Worked in various levels in the infrastructure team on Installation, configuration and administration on **Red hat-Linux** (5x, 6x& 7x), **CentOS** (5x, 6x and 7x), **Ubuntu** (7x, 8x, 9x & 10x), **SUSE Linux** (9x, 10x & 11x).
* Actively manage, improve, and monitor cloud infrastructure on **Azure**, **Virtual machines**, **blob storage**, including **backups**, **patches**, and **scaling**.
* Built and deployed **Docker** containers to break up **monolithic** app into **microservices**, improving developer **workflow**, increasing scalability, and optimizing speed.
* Developed **CI CD pipeline** in Azure and Java by developing **Git** based branching strategies and defining various build tasks that will build the **.Net** and **Java** based application and trigger the ARM templates to deploy the **Azure VMS with NSG and VNet.**
* Deployed and scaling the containers integrated with traffic controls and security features to launch more container instances in **ECS.**
* Builds and integrating test are triggered automatically to optimize the build through elastic resources in **Bamboo.**
* Created the **ECS** cluster for id of the security group from the EC2 console to select the key pair for an instance**.**
* Worked on plugins and extensions that should be existing classes considered at three levels personal, integration and production level in **Apache Airflow.**
* Extensively worked on creating **CI CD pipelines** using Jenkins and concourse for building, validating, and testing the **Cloud formation templates**, Ansible Playbooks, **Azure ARM templates**.
* Implemented **CI/CD** process using **CDP** process for global development team, allowing for dozens of code updates per hour with zero downtime.
* Created **CI/CD** pipelines and setup auto trigger, auto build and auto deployment with the help of the **CI/CD** tool like **Jenkins**. Implementing new projects builds framework using **Jenkins, Concourse&Maven** as **build framework toolsand IBM/(WEBSPHERE,AIX, Veracode).**
* Developed the code for **Ansible** scripts to automate the **IT** ops solutions and Database, middleware use cases.
* Developed a **PowerShell** script to automate **Active Directory** and server tasks and Generate reports for administrators and management.
* Worked on **Airflow** for the database updates performed using an abstraction to decide with their execution priority.
* Developed **AzureRunbooks** in Python and **PowerShell** to perform the migration of the on-premises infrastructure to the cloud and Configured ARM Templates which are triggered from the Jenkins CI CD pipeline
* Maintain build profiles in Team **Eco Server** and Jenkins for **CI/CD** pipeline and Installed **Apache** web applications on **Azure, Java** and Deploy a docker container with a running application inside it.
* Experience on Unit and Automation testing.
* Automating the Continuous Integration/ Continuous Deployment to implement the set of intervals on **Firewalls**.
* Wrote **Ansible** playbook to configure **Apache ignite** in a **VM** and deploy the lightweight app to **Azure** VM using **CDP Jenkins.**
* Experience on creating the aggregate pools of resources made up of CPUs, memory, storage, networking, and other applications in **Hypervisor.**
* Worked on **Kickstart** to implement the stages or web or app development on both security and network teams in **SDLC.**
* Package and deploy lightweight app to **Docker** using **Jenkins** also Created **Docker** file for Apache ignite and pushed it to **Nexus**.
* Storing data in storage layer of Apache **Ignite** and making **webservices** run on its own and display the web output on **AZURE**.
* Using Amazon Web Services **(AWS)** console and **AWS CLI** to launch and manage VM's with Public/Private subnet and setup load balancing, security groups etc. Created **Cloud Formation** templates and deployed **AWS** resources like **EC2, Auto scaling, EBS, EKS, S3**
* **Participated** in the identification of **continuity/disaster recovery** risks and **mitigation** plans and Assisted in the development of disaster recovery plans.
* Check in lightweight app to **AWSTC** Code Cloud and Create an **Azure** VM and establish connectivity to it.
* **Worked** onpersistence volume claims, mainly **Cloud native and Veracode** services using **Azure** files of **block storages** securing using **key vault** to store the configuration **files.**
* Installed and set up **Nagios** monitoring system on a dedicated Amazon **EC2** server, developed several custom plug-ins for monitoring availability and performance of **AWS** EC2 instances, integrating Pingdom checks, monitoring **MySQL** databases and results of execution of certain queries, etc
* Developed **Docker** files to containerize the applications and created various **docker** images with different base images and performed rolling deployment of the containers on to the **Kubernetes** platform.
* Deployed and configured **Elastic search, Logstash and Kibana** (ELK) for log analytics, full-text search, application monitoring in integration with **AWS** Lambda and Cloud Watch.
* Hands on experience on **AWS** Cloud Formation templates **(CFT)** to create custom sized **VPC, subnets, NAT** to ensure successful deployment of Web applications and database templates.
* Adapted working on **python** scripts to create buckets, **EC2** instances and monitor the performance of **EC2** instances. Used scripting languages like Python, Ruby, Perl, Bash and CF Engine and Web Service for **AWS.**
* Experienced in developing **Ansible** Playbooks to automate the provisioning of the **Kubernetes** cluster, troubleshooting the **Kubernetes** Pods which have issues with Persistent Volume Claims.
* Experience on various **Docker/Kubernetes** components like Docker Engine, Hub, Machine, Compose and **Docker Registry** and using **Kubernetes** to **orchestrate** the deployment, scaling and management of **Docker Containers.**
* Worked on creating **Azure VM**, Cloud Services and Storages by using **Azure and Nodejs** Power-Shell Script and deployed **Azure IaaS** virtual machines (VMs) and Cloud services (**PaaS** role instances) into secure VNet and subnets.
* Developed **Ansible** playbooks to automate the administration of various subscriptions and configured **Webhooks** to invoke the **playbooks** remotely.
* Configured and installed **Apache Ignite** and **NiFi** and deploy lightweight app using **Docker** through **Jenkins**.
* Installed **Apache web applications** on **Azure VM, Node js**and Package and deploy the **lightweight** app to **Azure VM** using **Jenkins**
* Developed **Dev/Test/Prod** environments of different applications on **Azure** by provisioning **Kubernetes** clusters on **Azure** instances using **Docker, Bash**, and **Ansible**.
* Extensive knowledge and administration experience in **JIRA** tickets for **SCM** Support activities and knowledge on other CI tools like **Bamboo**.
* Used **Splunk and New Relic** Tool to Manage logs and tracking bugs in **Dev, QA,**and staging environment, for managing tickets used**I track** ticketing tool & created mail handlers and notification schemes for **I track.**

 **Client Name: John Deere – Moline, IA Nov 2017 – Sept 2018**

 **Role: Cloud Operations/DevOps Engineer**

* Experienced in Installing, configuring, and implementing the **LVM, RAID** Technologies using various tools like VERITAS volume manager, Solaris volume manager.
* Provided 24/7 on-call support on Linux Production Servers. Responsible for maintaining security on**Red hat Linux**.
* Experience in creating **AWS** VPCnetworkwithin regions and Availability Zones to have both private and public networks of web applications that are deployed on **EC2** and managed by **ECS.**
* Build AWS infrastructure various resources **IAM, VPC, AIX Security Group, Auto Scaling, Cloud Watch, RDS, NACL, NAT, Firewall, Route 53**, **and Cloud Formation JSON Templates.**
* Created **S3** buckets and managed policies for buckets and used **S3** bucket and **Glacier** for storage and backup on **AWS** and in real-time monitoring and alerting of applications deployed in **AWS** using **Cloud Watch, Cloud Trail, and Simple Notification Service.**
* Implemented different types of executors to use the specific task of worker process in **Airflow**.
* **Implemented a Continuous Delivery pipeline with Docker, Jenkins, Bitbucket and AWS AMI's** and build a new **Docker** container from **Jenkins**.
* Experienced with installation of**AWS** CLI to control various AWS services through **SHELL/BASH** scripting and Written **Cron jobs** to perform operations at a scheduled time.
* Proficient in writing **AWS** Cloud Formation Templates (CFT) in **YAML** and **JSON** format to build the **AWS** services with the paradigm of Infrastructure as a Code.
* Hands on designing AWS **Cloud Formation templates** to use services like EC2, RDS, S3, EBS, Cloud Watch, SNS, SQS, **CloudTrail,** developed Python scripts to pass in as user data when creating the **AMI** to install services in the Boot time.
* Developed Terraform scripts to deploy AWS EC2 instances, IAM roles and policies, ASG with Life cycle hooks, RDS databases, Lambda functions, AWS VPC.
* Experience on **AWS** Cloud Formation templates to create custom sized **VPC, Subnets**, **NAT** to ensure successful deployment of Web applications and database templates.
* Wrote Python **BOTO** scripts for automating **AWSEC2** instances for running, stopping, and taking regular snapshots of **EBS** and storing in **S3** bucket.
* Experienced in **AWS** relational and **NoSQL, PL/SQL** databases like **MySQL**, **PL/SQL Server, Oracle, DynamoDB, MongoDB** and have good exposure to build tools like **GRADLE, MAVEN** and bug tracking tool **JIRA** in the work environment.
* Configured and setup **Ansible Tower** with customized **playbooks** to automate and enhance the configuration management for **deploying** faster containers, **EC2 instances**, and manage **Jenkins** deployments.
* Managed AWS infrastructure as code (**IaaS**) using Terraform. Expertise in writing new **Python** scripts to support new functionality in **Terraform**. Provisioned the universally available**EC2** Instances using **Terraform** and cloud formation and Setting up the build and deployment automation for Terraform scripts using **Jenkins.**
* Designed and created **Azure** virtual network (VNet) for high available multi AZ’s applications, launched **Azure** VM’s across different Subnets and delegated access to these resources using **Azure Active Directory** and configured user management through Policies and assigned permissions to users and groups.
* Wrote **AzureResource Manager Template** (ARM) on Azureto configure and manage resources like **Azure** VM’s, Block **BLOB**, **PL/SDK,APIQL** database, **Azure File Storage**, **Load Balancer**, **Page BLOB**, **Auto scaling**, **ARM**, Subnets, Route table and Network Security groups.
* Experiencing in **Virtualization** tools like ESX, KVM. Involving in configure ARM resources through **Azure Web Portal** and Command Line Interface through **PowerShell**
* Well versed with deployments, Maintenance and troubleshooting applications on **Microsoft Cloud** Infrastructure **Azure and AWS.**
* Implemented **Azure PaaS** Solutions like **Azure Web Apps**, **Web Roles**, **Worker Roles,** SQL Azure and **Azure** Storage. Configured and deployed the Operations Management Suite (**OMS**) for monitoring and change tracking.
* Developed **PowerShell** scripts and worked on **Azure CLI** to provision the **Azure VMs** with custom extension scripts to manage the **Azure** backups with pre and post action scripts.
* Automated build and deployment using **Jenkins** to reduce human error and speed up production processes.
* Extensively worked on **Jenkins** by installing**,** configuring, and maintaining for **continuous integration** {CI} and for End to End automationfor all bu*i*ld and **deployments** {CD}.
* Installed, Administered and Maintained several instances of **Jenkins.** Expertise on all areas of Jenkins like Plugin Management, **Securing Jenkins**, Performance issues, Analytics, ScalingJenkins, integrating Code Analysis and Test Phases to complete the **CD pipelines** within **Jenkins.**
* Experience in working with version control systems like **GIT** and used Source code management client tools like **GitBash, GitHub, Git Lab.**
* Implemented a Continuous Delivery pipeline with **Docker, Jenkins** and **GitHub** and **AWS AMI's**, whenever a new **GitHub** branch gets started, Jenkins, our Continuous Integration server, automatically attempts to build new **Docker container** from it.
* Wrote **Python** script to verify the deployment status and git-revision of the code commit to check either right code version is deployed to the production servers.
* Experience automating deployments with software configuration management tools (**Ansible, Puppet**) and wrote **Ansible playbooks** to auto deploy servers as needed
* Experienced in writing Ansible playbooks for provisioning Infrastructure using **YML** scripts and successfully developed infrastructure in DEV & Staging environments.
* Wrote **Ansible** playbook in **YAML** to build a LAMP **(Linux, Apache, MySQL, and Python)** stack on an EC2 instance and used**Ansible** Tower as Configuration management tool, to automate repetitive tasks, quickly deploy critical applications, and proactively managed changes and Implemented Infrastructure automation.
* Coherent **Terraform** with **Ansible**, Packer to create and Version **AWS** Infrastructure, code deployment and orchestration with tools such as Puppet, **Chef**, Cloud Formation, and automation validation using Test Kitchen, Vagrant, **Ansible** and **Terraform**.
* Created **Docker containers** for different Applications to achieve Availability and Fault Tolerance using **Docker swarm** Manager by pulling **Docker Images** from private **Docker Registry** with port mapping, providing persistent volume and creating **snapshots**.
* Wrote **Ansible Playbooks** to automate the **Build of Docker Image, Utilized Jenkins to Auto push to Docker HUB**, Automated the infrastructure downloaded and managed **Ansible roles** from **Ansible Galaxy.**
* Orchestrated and Migrated**CI/CD** processes using Cloud Formation and **Terraform**Templates and Containerized the infrastructure using **Docker** and **Kubernetes** deployed using **Kops**.
* Developed Dev/Test/Prod environments of different applications on AWS by provisioning **Kubernetes** clusters on **AWS** EC2 instances using **Docker**, **Bash**, and **Terraform**.
* Expertise in configuring **mod proxy** on **Apache2** and configured vertical and horizontal clustering for **High Availability** and Workload management.
* Experience working with Web servers & application servers such as Apache2, **Nginx**, **Apache TomcatJBOSS**. Deployed **Java/J2EE** applications on to **Apache Tomcat** application servers and configured it to host the website.

**Client Name: Go Air Aviation – Chicago, IL April 2016 – Oct 2017**

 **Role: DevOps/ Build & Release Engineer**

* Implemented and developed solutions enabling Development and Operations teams to **build, deploy, monitor,** and **test** applications and environment.
* Knowledge in gathering requirements from various team's app **dev, QA**, Ops etc. for automation process and for improving **agility** in development process.
* Worked on various AWS services like **EC2, VPC, Subnets, Route Tables, Security Groups, Route53, S3, RDS, Dynamo DB, SNS, SQS, CloudWatch**, **CloudFront** and provisioned EC2, RDS instances using **Cloud Formation Template (CFT)** and **Terraform.**
* Involved in designing an Infrastructure for different applications before migrating into **AWS** amazon cloud for flexible, cost-effective, reliable, scalable, high-performance, and secured applications.
* Successfully configured **AWS** EC2 Cloud Servers using **AMI's** (**Linux**) and configuring servers for specific applications.
* Experienced in build tools to store the binaries of builds in **Nexus** Artifactory repository which are further used in Integration testing.
* Registered and maintained domain names for application using the **AWS** Route53 by creating hosted zones and record sets.
* Configured Backup and Archived Solutions in **AWS** (S3) by creating lifecycle policies for transition of objects to different storage classes and Glacier and wrote scripts for backing up of **AWS** EC2 Instances and **EBS** volumes that are attached to running EC2 Instances.
* Experience in creating and storing DB snapshots in **AWS** Simple Storage Service (S3) for backup and restore. Configured DynamoDB tables for application support.
* outlined and configured **Azure** Virtual Networks (**VNet**), **subnets, Azure** network settings, **DHCP** address blocks, **DNS** settings, security policies and routing.
* Experienced on Standing up virtual servers, virtual networks, resource groups, load balancers, network security groups, and other key **Azure** functions in conjunction with the **Azure** build-out.
* Provisioned **Azure(ACL**) access control lists and other firewall routing technologies to help troubleshoot and allow traffic to successfully pass between on-premises and **Azure** cloud.
* Experience Automating the process of launching the instances using **Terraform** templates. Wrote **Python** scripts for building custom utilities, custom data **visualization** for **web apps** and for managing files and networks.
* Used Continuous deployment process using Puppet, Docker images and hosted the application in **AWS** cloud environment.
* Built Docker images from scratch and customized and modified base images from existing environment configurations and maintaining the image **repo** for development teams.
* Integrated **Ansible** with Jenkins to provide Automation, Continuous Integration also managed nodes over SSH/Power shell using **Ansible**.
* Experienced on creation of **Ansible** manifest files to install tomcat instances and to manage configuration files for multiple applications.
* Streamlined various infrastructure activities like **Continuous Deployment**, Application Server setup, stack monitoring using **Ansible playbooks** and has Integrated **Ansible** with **Jenkins**.
* Wrote **Ansible** playbooks and created various roles for applications, then deployed the **Applications** or Services on hosts also written **Ansible** playbooks to automatically install packages from a **repository** to change the configuration of **nodes** and to **deploy** new builds.
* Carried out the setup for master slave architecture to improve the **Jenkins** performance and Built end to end **CI/CD** Pipelines in Jenkins to retrieve code, compile applications, perform tests and push build artifacts to **Nexus** using Nexus **Artifactory plugin**.
* Designed and implemented a continuous build-test-deployment (**CI/CD)** system with multiple component **pipelines** using Jenkins to support weekly releases and out-of-cycle releases based on business needs.
* Responsible for Continuous Integration (**CI**) and Continuous Delivery (**CD**) process implementation using Jenkins along with **Python** and Shell scripts to automate daily routine jobs also used **Ansible** and **GIT** in the release pipelines for automated workflow.
* Experience in **branching, tagging,** and maintaining the version across the environments using **SCM** tools like Subversion (SVN), GIT on Linux and Windows environment
* Responsible for configuration of DNS Server and Clients, configuration of DNS tables using BIND packages and experience in troubleshooting DNS issues
* Worked on configuring **mod proxy/mod\_jk** on **Tomcat** Clusters and configured vertical and horizontal clustering for **High Availability** and Workload management.
* Composed **Ruby, Python, Perl, and Shell Scripts** to deploy the java-based packages like ear and war on the **WebLogic** App Server.
* Experience on Big data tools like **Sqoop, Hive, HDFS**.
* Expertise in configuring alert mechanisms with **Nagios**, **Splunk, New Relic**for error logging, performance monitoring also monitored infrastructure consisting of **Nagios** server with internal GUI tool as a web interface for configuration and display of performance data.
* Experience in deployment of **JIRA** applications into existing/default VPC and configuring **AWS** (EFS)Elastic File System to sort the **artifacts** can be accessed through multiple nodes for **High Availability** and used **Jira** for tracking issues and change management

**Client Name: Hewlett-Packard – Hyderabad, India June 2012 – Jan 2015**

 **Role: Linux Admin**

* Installed and configured **Anthill Pro/Jenkins** for Automating Deployments and providing a complete automation solution.
* prepared (**CFT**)Cloud Formation Templates to create **EC2 instances, RDS, Cloud Watch, S3, ELB, Auto-Scaling Groups, Route53** record sets and other services on **AWS**.
* Configured the security groups and **Elastic IP's** by creating the **AWS VPC** network for the installed instances.
* Used **Jenkins, Nexus, Bamboo, YUM, Puppet** to integrate delivery (**CI** and **CD** process) and maintained continuous integration (CI) using tools **Jenkins/Maven** over diff environments to facilitate an agile development process which is automated and repeatable enabling teams to safely deploy code many times a day while ensuring operational best practices are supported.
* Managed the **CI** and **CD** processes and delivered all applications in **rpms** and used **Puppet** for **Continuous Delivery,** also used **puppet** for deploying the codes between different environments
* Wrote custom Modules and Manifests for creating **LAMP** stacks on **AWS** instances. Performed upgradation of Puppet community and **Puppet** Enterprise.
* Configured the **build.xml** file and verified the source file for the correct release by means of **Checksum** concept. Responsible for CI environments (Jenkins).
* Used **SonarQube** for continuous inspection of code quality and analysis of code to detect bugs and security vulnerabilities.
* controlled the development activities for the multiple server instances by enabling **SSH** password less authentication between the servers.
* Experienced in **branching, tagging** and maintaining the version across the environments using **SCM** tools like **GIT**, Subversion (SVN) on **Linux** and **windows** platforms.
* Experience in managing **GIT and SVN** as source control systems and implementing build automation in Jenkins using Bash scripting for daily builds.
* Comprised in **branching** and **merging** of code and also deployed **JAR, WAR and EAR** artifacts into the **WebLogic** servers and Apache servers also wrote scripts to perform deploys to **tomcat Webserver** and WebSphere App Servers.
* Hands on with scripting and languages like **Python, Perl** also automated the **WebSphere** Administration tasks in Development and **Testing** Environment.
* Installation, configuration, and upgrade of Red hat 6 Linux operating system
* Performed regular and system backups
* Remote monitoring using Inbuilt utilities
* Monitoring of NFS, SAMBA, SNMP and DHCP servers
* Package management using RPM, YUM and UP2DATE in Red Hat Linux
* Ability to write Shell & Ruby scripting
* Resolved related software and hardware issues
* Experience working in VMware ESX (V Sphere) 4.x, 5.x hypervisor for virtualization and installed different OS such as Linux (RHEL), Mac, Windows.
* Experienced in all phases of the Software Development Life Cycle (SDLC) with specific focus on the build and release of quality software. Experience in Waterfall, Agile/Scrum.
* Provided server account management and client connectivity support
* Installing software, Upgrade with latest software.