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NIKHITHA SANJANNAGARI

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AWS Certified Solutions Architect with 7+ years of professional experience in IT consisting of designing, development integration of DevOps tools, Cloud Automation, Cloud Migration, Cloud Infrastructure, Configuration Management, Provisioning, Build and Release, Continuous Integration/Deployment, Delivery management, System administration and Cloud Migration.

*Professional Summary:*

* Experience on **AWS** platform and its dimensions of scalability including **EC2, S3, EBS, VPC, ELB, AMI, SNS, SQS, SES, RDS, IAM, Route 53, GuardDuty, Macie, AWS Config , AWS inspector, Elasticache (Memcached & Redis)** to reduce the latency**, Sagemaker, Kinesis, Redshift, AWS Glue, Fargate, Spark, Auto scaling, CloudFront, CloudWatch, CloudTrail, Athena, EMR, ECS, Lambda, RAM, QuickSight, NACL, CloudFormation, OpsWorks, Security Groups, AWS Shield.**
* Worked on **AWS DevOps** tools like **AWS Code-Pipeline** to build a continuous integration or continuous delivery (**CI/CD**) workflow using **AWS Code-Build**, **AWS Code-Deploy**, and worked with many other **AWS** tools to **Build** and **deploy** a microservices architecture using **ECS** or **AWS Lambda.**
* Experience in Building and securing the Infrastructure on **AWS** using **IAM, EC2, EBS, S3, VPC, Elastic Beanstalk, CloudFront, Route 53, DynamoDB, Red Shift, RDS, KMS, ECS, ELB, EFS, Cloud Formation, Elastic Cache, Cloud watch, SNS, SQS, SES, AWS kinesis** focusing on High Availability, Fault-Tolerance and Auto Scaling.
* Experience in working with **AWS CodePipeline** and Creating **Cloud formation JSON** **templates** and **Terraform** **for infrastructure as code.** Automate **Datadog** Integrations through **Ansible Scripts for QA, Regression and Production**.
* Experienced in **Azure Cloud Services (PaaS & IaaS), Storage, Web Apps, Azure Kubernetes Service (AKS), Active Directory, Application Insights, and Logic Apps, ARM Templates, AZURE PowerShell Module and Azure CLI** concentrating on high-accessibility and auto-scaling. Extensive experience in **Azure Service Bus, DocumentDB and SQL Database**.
* Experience in various **Azure** Services like **Compute (Web Roles, Worker Roles), Caching, SQL Azure, NoSQL, Storage and Network Services, Azure Active Directory, Internet of Things (IoT),** **Azure Monitoring, API Management, Scheduling, Autoscaling, Web Apps, Logic Apps, Azure Identity & Access Management, Data Factory, PowerShell Automation and other Azure Services.**
* Prepared capacity and architecture plan to create the **Azure Cloud** environment to host **migrated IaaS VMs and PaaS role** instances for refactored applications and databases.
* Experienced in **migrating** on premise applications using **Terraform, Terraform cloud, terraform VAULT** and **ARM templates** and used **Azure Site Recovery and Azure backups** for migrating storage to **Microsoft Azure** and deployed **Azure IaaS** virtual machines and Cloud services PaaS role instances into secure Subnets and Virtual Network.
* Worked on Production environment with **Google Cloud Platform GCP** services like **Cloud Functions, Pub/sub requests, Dataflow, BigQuery, DBs, Dataproc**, and **firewall rules, health checks, instance groups**, instance template with extensive knowledge on **GKE, Stack-driver, gcloud scripting, containers, GCP client libraries** and **Cloud SDK.**
* Experienced in **Google Cloud platform** in managing **Docker Containers, Kubernetes Clusters**, and implemented a production ready, load balanced, highly available, fault tolerant **Kubernetes** infrastructure and created **Jenkins Jobs and Spinnaker** pipeline to deploy applications to **Kubernetes Cluster.**
* Evaluated **Kubernetes** for **Docker container** **orchestration.** Managed **Kubernetes** charts using **Helm** and created reproducible builds of the Kubernetes applications, templatize **Kubernetes manifests**, provide a set of configuration parameters to customize the deployment and Managed releases of **Helm packages**.
* Experience in Building and deploying the application code using **CLI** of **Kubernetes** like **kubectl, kubelet, kubeadm, Kubespray** and Schedule the jobs using kube-scheduler, Managed **K8s** charts using Helm and created reproducible builds of the **Kubernetes** applications and managed **Kubernetes** manifest files and releases of **Helm packages.**
* Experience in working with container based deployments using **Docker, Docker images, Docker file, Docker Hub, Docker Compose** and **Docker registries.** Handled large volumes of container clusters with **Docker swarm, Kubernetes**.
* Involved in Configuring, automation and maintaining build and deployment **CI/CD** tools **GIT/GITHUB, Bit Bucket, Jira, Confluence, Jenkins, Bamboo, Ansible, Chef, Docker, Kubernetes, Terraform**, **Nexus** and **JIRA** for Multi-Environment (**Local/POC/Dev/TestNON-PROD/PROD**).
* Proficient in automating build and configuration process using tools like **ANT, Maven, Gradle, Jenkins/Bamboo and Chef/Ansible**. Created Build Jobs and Deployments in **Jenkins.** Designed and Implemented a Micro services container CI and CD solution within **AWS/Azure** leveraging **Git, Jenkins, Docker, Terraform, Ansible and Kubernetes Services**.
* Installed and configured **Chef Servers** and bootstrapped chef client nodes for creating data bags. Managed **Chef Cookbooks** to automate system operations. Used **Kubernetes** to deploy **Docker** containers into **Pod Clusters** on multiple Nodes in QA, Test and Production Environments.
* Experience in working with System health and performance Monitoring Tools like **Nagios, Splunk, Cloud Watch, NewRelic, Elasticsearch, Kibana, AppDynamics.**
* Expertise in **WAMP (Windows, Apache, MYSQL, and Python)** and **LAMP (Linux, Apache, MySQL, and Python)**
* Experience in working on web servers like **APACHE HTTP** server, **NGINX**, **Apache TOMCAT** and application servers like **Web logic, Tomcat, WebSphere, IIS, JBOSS** to deploy code and Experience in Installation, configuration, and management of **RDBMS MySQL, DB2** and **NoSQL** tools **PostgreSQL, Cassandra, MongoDB and DynamoDB**
* Experience in defect management systems **Remedy, OTRS, JIRA**, **Service now, Rally** and Knowledge on testing frameworks **Junit, Selenium**, big data components **kafka, Hadoop, Spark**, and Confluence for Documentation.
* Experience in **System Administration**, **System Builds, Server builds, Installs, Upgrades, Patches, Migration, Troubleshooting, Security, Backup, Disaster Recovery, Performance Monitoring and Fine-tuning on UNIX (Red Hat Linux) Systems**. Proficient with **Shell, Python, Ruby, Perl, PowerShell, JSON, YAML, Groovy, Bash scripting languages.**
* Experience in Conducting security assessment using **cyber security asset management (CSAM)** for cloud hosted applications and also acted as Senior Advisor to ETA Director on security issues and coordinated security incident response with **DOL and US CERTs**.
* Expertise in **Scrum** Methodologies such as **Agile** and **Waterfall methods, software development lifecycle management, continuous integration, build** and release management and managed environments.
* Involved extensive work towards code compilation, packaging, building, debugging, automating, managing, tuning and deploying code across multiple environments and **Linux Administration**. Expertise in improving build & deployment tools in DevOps through automation using scripting languages such as **JavaScript, PowerShell, Bash, Perl, JSON, Ruby, Groovy and Python.**

**Technical Skills:**

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| --- | --- |
| **Cloud Services** | Amazon Web Services, Microsoft Azure, GCP. |
| **Configuration Management Tools** | Chef, Ansible, Puppet. |
| **Build Tools** | Ant, Maven, Gradle. |
| **Container Tools** | Docker, Kubernetes, OpenShift. |
| **CI/CD Tools** | Jenkins, Bamboo, Teamcity. |
| **Version control tools** | GIT, GITHUB, Bit Buket, TFS, Subversion (SVN). |
| **Operating System** | Redhat Linux, Ubuntu, Windows, Mac OS X, Windows, Unix. |
| **Database System** | MS SQL Server, MySQL, MongoDB, IBM DB,IIS Server. |
| **Cloud Formation Tools** | Terraform, AWS Cloud Formation, ARM Templates. |
| **Networking** | DNS, DHCP, SMTP, HTTP, SNMP, TCP/IP, OSI, Firewalls, Switches, Route table |
| **Application and Web servers** | Tomcat, JBoss, Web Logic, Web Sphere, Nginx, Glassfish. |
| **Virtualization Technologies** | VMware, Windows Hyper-V, Xen, Virtual Box, Power VM. |
| **Monitoring Tools** | Nagios, Splunk, Cloudwatch, ELK, Grafana, New Relic, SonarQube, Selenium, Jira, Dynatrace . |
| **Scripting & Programming language** | Bash/Shell, Python, Ruby, power shell, JSON, YAML, Groovy, Perl, Java, JavaScript. |

***Professional Experience:***

**Role: Azure DevOps Engineer May 2022 – Present**

**UCLA(Los Angeles, CA)**

**Responsibilities :**

* Hands-on experience designing, planning and implementation for existing on premise applications to **AZURE Cloud (ARM)**, configured and deployed Azure Automation scripts utilizing Azure Stack services and utilities focusing on Automation.
* Configured and implemented storage blobs and Azure files – created storage accounts, managing access and storage access key.
* Experience in Windows Azure services like **PaaS , IaaS** and worked on storages like **Blob, Sql Azure**. Well experienced in deployment and configuration management and virtualization.
* Championed in cloud provisioning tools like **Terraform and CloudFormation**.
* Proficient **with Python, Powershell and Terraform scripting**.
* 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.
* Work on Azure Storage, Network services, Traffic Manager, Scheduling, Auto scaling and Powershell Automation.
* Drive end to end deployment of various Components on the Azure Platform.
* Migrate manual infrastructure deployment to automated deployment using **Terraform.**
* Write terraform scripts from scratch for building **Dev, Staging, Prod** environments to provision an end-to-end infrastructure.
* Responsible for creating **GitHub Actions** for deployment of Terraform resources.
* Utilize **Azure Powershell** to automate azure administrative tasks.
* Created Terraform modules for **Storage Account, Virtual Machines, Resource Groups, Networking, Key Vault, Management Group, Loadbalancer, Tagging, IAM roles, Azure Policies.**
* Generating Cost Analysis graphs for the resources and subscriptions using **Jupiter Notebook**.
* Experience in Setting up the build and deployment automation for **Terraform** scripts using Jenkins.
* Provisioned the highly available **EC2 Instances** using Terraform and **cloud formation** and wrote new plugins to support new functionality in Terraform.
* Involved in using Terraform migrate legacy and monolithic systems to **Amazon Web Services**.
* Working on **Microsoft Azure**, involved in configuring virtual machines, storage accounts, resource groups. Remote login to Virtual Machines to troubleshoot, monitor and deploy applications.
* Deploy and monitor scalable infrastructure on Amazon web services (AWS) & configuration management using chef.
* Collaborate in the automation of AWS infrastructure via Terraform and Jenkins - software and services configuration via chef cookbooks.
* Automated most of the daily tasks using **terraform and python scripting.**
* Worked with terraform key features such as Infrastructure as code, Execution plans, Resource Graphs and change automation.

**Technical Tools :** Azure, Terraform, Python, IaaS, EC2, Powershell, Jupiter Notebook, Puppet, ARM templates, Pyton API, Github actions.

**Role: Sr. Cloud/ DevOps Engineer August 2020 – April 2022**

**HUMANA (Atlanta, GA)**

**Responsibilities:**

* As a Sr. Cloud/DevOps Engineer I have involved in providing technical strategic leadership and strategy development for the integration of requirements design and technology.
* Created backup of **Amazon machine Images (AMIs)** of **EC2** instances using **Packer**, and critical business data for **Disaster Recovery (DR)** and upgrading to new instance types for better performance.
* Implemented Backup & Recovery, **S3 life cycle management**, reduced costs by creating customized **Alarms**, managed Billing across **AWS accounts** and reduced costs by effectively utilizing the resources.
* Integrated **AWS** **Dynamo** **DB** using **AWS** **lambda** to store the values of the items and backup the **AWS** **Dynamo** **DB** streams and Automated backup of data in **EBS** and instance store to **AWS** **S3** buckets and created backup of AMI for mission critical production servers from **AWS** **CLI** and used AWS Data pipeline to configure data loads from **AWS** **S3** into **Redshift**.
* Created **Terraform** modules to create custom-sized **VPC**, **subnets**, **EC2** instances, **ELB**, security groups. Worked on tagging standard for proper identification and ownership of **EC2** instances and other **AWS** Services like **Cloud** **Front**, **cloud** **watch**, **RDS**, **S3**, **Route53**, **SNS**, **SQS**, **Cloud** **Trail**.
* Experience on other **AWS** cloud services like **EBS**, **Auto** **scaling** **groups**, **Cloud** **watch**, **IAM** for installing **configuring** and **troubleshooting** on various **Amazon** **images** for server migration from physical into cloud.
* Worked with the **Terraform** key features like Execution plans, Resource Graphs, Change Automation and wrote **Terraform Templates** for AWS infrastructure to build staging and production environments for the testing department to get the work done in a flow.
* Used **Kubernetes** to deploy, balance the load of the application in and out request by load balancing, scale, and manage docker containers with multiple name-spaced versions.
* Developed **Kubernetes** templates for various applications like **Cassandra**, **Grafana**, **Kafka** and setting up **Kubernetes** **Clusters** for running microservices and pushed microservices into production with **Kubernetes** backed Infrastructure.
* Implementing **clusters** using **Kubernetes** and worked on creating **pods**, replication controllers, Name Spaces, deployments, Services, labels, health checks, **Ingress** resources and Controllers by writing **YAML** files. Integrated them using **weave**, **flannel**, **calico SDN networking**.
* Using Power shell to write, debug scripts to automate the processes and do migration of VM, involving copying and creating of VHDS. Configuration of **Microsoft DevTest Labs** to migrate the virtual machines from one subscription to another subscription.
* Experienced in Provisioning of IAAS & PAAS Virtual Machines and Web\Worker roles on Microsoft **Azure Classic** and **Azure Resource Manager**.
* Experienced in migrate an On - premises Instances or Azure Classic Instances to **Azure ARM** Subscription with **Azure Site Recovery**.
* Configured and maintained **Jenkins** to implement the **CI** process and integrated the tool with Maven to schedule the builds. Took the sole responsibility to maintain the **CI** **Jenkins** server.
* Experienced in branching and maintaining the version across the environments using **SCM** tools like **Git**, **GitHub** on **Linux** and **Windows** platforms.
* Virtualized the servers on **AWS** using the **Docker**, create the **Docker files** and version control to achieve Continuous Delivery goal on high scalable environment, used **Docker** coupled with load-balancing **Nginx**.
* Managed **Docker containers** on a cluster hosted on a **serverless** infrastructure using **AWS** **ECS** by distributing the application traffic in **ELB**, **Cloud Front** to distribute content to edge locations, **Cloud watch** to set alarms and notifications.
* Wrote several **Ansible playbooks** for automation using **YAML** format and run Ansible Scripts to provision Dev servers, customized Ansible role to automate deployments of the **Dynatrace** Java Agent for **Glassfish**.
* Implemented **Ansible** **Tower** for managing the complex network deployments by addition of the control knowledge and delegation to **Ansible** powered environments.
* Wrote **Ansible** Playbooks with **Python** SSH as the Wrapper to Manage Configurations of **AWS** Nodes and Test Playbooks on **AWS** instances using Python. Run Ansible Scripts to provision Development servers.
* Used the **Ansible** Galaxy repository a shared repository for the roles to download, share and manage the roles so that the jobs can be accomplished according to the assignment of the role modules to each team member.
* Developed **Python**, **Perl** and **shell**/**bash** scripts for TC **Server**/**Tomcat** web application servers and automation of the build and release process and to automate certain processes for the smooth process of build tool like Maven.
* Created scripts in **Python** to automate log rotation of multiple logs from web servers. Worked with **Python Libraries** to create Web applications.
* Implemented a **GIT** mirror for **SVN** repository, which enables users to use both **SVN** and **GIT** because the team had the upgradation push of the stages of project in both the repository.
* Assisted developers with establishing and applying appropriate branching so that before the merge can take place the developer team should know the branch properly by labeling conventions using **GIT** source control.
* Set up customized monitoring to migrate from the manual monitoring with the help of tools like **Nagios** & **PNP4Nagios** Graphs for the legacy and the new environments.
* Generated reports using **JIRA** for creating projects, assigning permissions to users and groups for the project & created mail handlers and notifications schemes for **JIRA**.

**Technical Tools:** AWS EC2, Cloud Front, cloud watch, RDS, S3, VPC, SNS, SQS, Cloud Trail, Route 53, Docker, Kubernetes, Terraform, Maven, Jenkins, GIT, SVN, JIRA, Ansible, Nagios, Shell scripting, Python Scripting and Perl scripting.

**Role: Sr. DevOps Engineer Jan 20 – August 20**

**AT&T (San Antonio, TX)**

***Responsibilities****:*

* My major duties include planning developing and assisting the migration of client's on-premises infrastructure to Microsoft Cloud (Azure). Design and implement hybrid on premise cloud migration and management of strategy for the new hybrid cloud solution in single and multiple data centers.
* Involved in managing **Private Cloud** and **Hybrid cloud** configurations and practices in Windows **Azure**, **SQL Azure**, **Azure Web** and **Database** deployments. **Upgraded** and **Migrated** web applications to latest **.Net framework** versions and **Azure platforms**.
* Created **Azure** automated assets, **Graphical runbooks**, **PowerShell** run books that will automate specific tasks. Expertise in deploying **Azure** **AD** connect, configuring ADFS installation using **Azure** AD connect.
* Created **ARM** templates for **Azure** platform and in migrating on premise to **Windows Azure** using **Azure** Site Recovery and **Azure** backups and other **Azure** services.
* Prepared capacity and architecture plan to create the **Azure** **Cloud** **environment** to host migrated **IaaS,** **VMs** and **PaaS** **role** **instances** for refactored applications and databases.
* Implemented high availability with **Azure Classic** and **Azure Resource Manager** deployment models and worked on Azure access controls, RBAC to manage privileges on Azure resources
* Creation and Maintenance of **MS Azure Cloud** Infrastructure and **Virtual** **Network** between **MS** **Azure** Cloud and on-premises network for backend communication.
* Created clusters in Google Cloud and manage the clusters using **Kubernetes(k8s)**. Using Jenkins to deploy code to Google Cloud, create new namespaces.
* Migrated 9 microservices to Google Cloud Platform from **skava** and have one more big release planned with 4 more microservices.
* Worked on the migration of mobile application from skava to cloud (Google Cloud) by making the chunk of code to microservices. Involved in CI/CD process using **GIT, Nexus**, **Jenkins** job creation, Maven build and Create Docker image and use the docker image to deploy in **gcloud clusters**.
* Provide the permissions and required access to all the **pub/sub topics** and sinks to **push/write** the data to Stack-driver. Setup Alerting and monitoring using **Stack-driver in GCP**. Created custom log metrics using **Stack-driver** logging and create charts and alerts using the **custom log metrics.**
* Developed **Docker Images** to support Development and Testing Teams and their pipelines, **Jenkins** distributed builds, **Selenium** and **JMeter** images, Elasticsearch, Kibana and Logstash (**ELK** & **EFK**).
* Set up build environment integrating with **Git** and **Jira** to trigger builds using **Web Hooks** and **Slave Machines** byintegrating **Docker** container-based test infrastructure to **Jenkins** CI test flow.
* Wrote **Chef Recipes** / **Cookbooks** in **Ruby** and automated the installation, build and deployment of Database servers, elastic search engines, and various other web servers.
* Implemented **Chef** recipes for the automated Orchestration of **Cassandra clusters** and worked on upgrading **Cassandra** from the old version 2.0 to 3.0 the newer version.
* Worked on Container management using **Docker** by writing **Docker files** and set up the automated build on Docker Hub and written **Docker Compose** file for **multi container** provisioning and to **build**, **run**, **tag** and **publish** a docker container to **Azure Container Registry**.
* Integrated **GIT** with **Jenkins** using the **GitHub** plugin to automate the process of source code check-out by providing the URL and credentials of the **GIT** repository.
* Configuring and managing an **ELK stack**, setup the elastic search **ELK** **Stack** to collect search and analyze log files from across the servers and integration of Application with monitoring tool **New** **Relic** for complete insight and **proactive** **monitoring**.
* Replaced Splunk logging and analytics with an automated **ELK** cluster, increasing data capture capacity and reducing costs and installed and configured **ELK** stack in both legacy and Docker swarm mode and pipelined application logs from App Server to Elastic search through Logstash.

**Technical Tools:** Azure, Graphical runbooks, PowerShell, Python API, Docker, JMeter, ARM templates,

Jenkins, GIT, Chef, Cassandra clusters SVN, GitHub, Shell scripting, Python Scripting.

**DevOps Engineer Nov 17– Nov 19**

**Larsen & Toubro (Hyderabad, India)**

***Responsibilities****:*

* Configured **AWS** **Route53** to manage DNS zones globally, create record sets, DNS failover and health checks of domains, assign domain names to ELB and **CloudFront**.
* Implemented AWS solutions using **EC2**, **S3**, **RDS**, **EBS**, **Elastic Load Balancer**, **Auto scaling groups** and maintained access to **AWS** resources through users and groups on an **IAM** console.
* Performed the automation deployments using **AWS** by creating the **IAM**s and used the code pipeline plugin to integrate **Jenkins** with **AWS** and created the **EC2** instances to provide the virtual servers.
* Written **Chef** **Cookbooks** for various packages. Implemented environments, **roles**, **data** **bags** in **Chef** for better environment management. Experience with setting up **Chef** Infra **Bootstrapping** nodes, creating and uploading recipes, node convergence in **Chef** **SCM**.
* Written the **Chef** **Cookbooks** for various packages in the various libraries. Implemented environments, **roles**, **data** **bags** in **Chef** for better environment management.
* Used **Chef** for server provisioning and infrastructure automation, release automation and deployment automation, Configure files and commands and packages.
* Implemented zero downtime deployment process in **WebLogic** using **python** and **shell** **script** and added it to the continuous automated process by using **Jenkins** as a tool.
* Experience in setting up all the **Upstream** and **Downstream** Jobs in **Jenkins**. Worked with the **Jenkins** **Pipelines** for putting the all the workable tasks in the continuous deployment.
* Developed build and deployment scripts using **ANT** as build tool and automated the build and deploy processes using **Jenkins** to move from one environment to other environments.
* Implemented the zero - downtime deployment of the workflow of the process in **WebLogic** using **python** scripting as the language and **shell** **script** and automated it using **Jenkins.**
* Used **Git** for source code version control and integrated with **Jenkins** for **CI/CD** pipeline, code quality tracking and user management with build tools **ANT, Gradle** and written **pom.xml** build script.
* Wrote scripts using **ANT** tools and automated the build and deploy process using **Jenkins** to move from one environment to other environments. Also edited the existing **ANT** files in case of **errors**.
* Deployed **Splunk** **forwarders** **indexers** and **search heads** to monitor, analyze and visualize the AWS VM's on the **Splunk** dashboard that helps in increasing the cluster performance.
* Headed Proof-of-Concepts (POC) on **Splunk** implementation, mentored and guided other team members on Understanding the use case of **Splunk** and about the monitoring procedure.

**Technical Tools:** AWS Route53, ELB, CloudFront, Splunk, ANT, Gradle, PowerShell, Python API, Terraform, Jenkins, GIT, Chef, Shell scripting, Python Scripting.

**Role: Build and Release Engineer Sept 16 – Oct 17**

**TECH MAHINDRA (Hyderabad, India)**

***Responsibilities****:*

* Responsible for installation & configuration of **Jenkins** to support various **Java builds** and **Jenkins** plugins to automate continuous builds and publishing **Docker Images** to the **Nexus Repository**.
* Created artifact documents through the source code and internal deployment in **Nexus** repository. Implemented Disaster recovery project on **AWS** using various DevOps automation for CI/CD.
* Performed the automation deployments using **AWS** by creating the **AWS** **IAM**s and used the code pipeline plugin to integrate **Jenkins** with **AWS** and created the **EC2** instances to provide the virtual servers.
* Installed and configured **Jenkins** and created parameterized jobs to kick off builds for different environments. Managed the team's source repository through **GIT** and continuous integration system using **Jenkins**.
* Implemented a Continuous Delivery pipeline with **Docker,** **Jenkins,** and **GitHub**. Responsible for supporting various **Java builds** and **Jenkins** plugins to automate continuous builds and publishing **Docker Images** to the **Nexus Repository**.
* Developed automation scripting in **Python** (core) using **Puppet** to deploy and manage **Java** **applications** across **Linux** servers.
* Used **Git** for source code version control and integrated with **Jenkins** for **CI/CD** pipeline, code quality tracking and user management with build tools **Maven** and written **Maven pom.xml** build script.
* Used **MAVEN** as a build tool for **Java** projects and written Maven **POM** files from scratch for multi-module projects for the development of build artifacts on the source code.
* Designed and implemented **GIT** metadata including elements, labels, attributes trigger and hyperlinks and performed necessary day to day **GIT** support for different projects.
* As working on a **Linux/Unix system** maintained the various servers and Production Support of various applications in **Red Hat Enterprise Linux**, and Windows environment.

**Technical Tools:** Jenkins, Docker, Nexus, AWS, IAMs, GitHub, Python API, Maven, Linux, GIT, Puppet, Python Scripting.

**Role: Linux** **Administrator August 15 – august16**

**IVTL (InfoView Technologies Pvt. Ltd.) (Hyderabad, India)**

***Responsibilities****:*

* Performed Administrative and Management tasks using shell Scripts written in **Bash**, **Python**, **C Shell** and **CRON** tab in Linux to automate the various scheduled tasks.
* Developed **Shell** scripts for automation of the build and release process. Developed automation scripting in **Python** to deploy some of the applications to progress towards the automation of the tasks.
* Administered Linux servers for several functions including managing **Apache**/**Tomcat** server, **mail** **server**, **MySQL** databases in both development and production environments.
* **Troubleshooting** **Backup** and **Restore** Problems Creation of **LVMs** on **SAN** using **Linux** utilities and troubleshooting Linux network, security related issues, capturing packets using tools such as IP tables, firewall, and **TCP** wrapper and **NMAP**.
* Did the deployment and configuration of the application **Server Tomcat** and deploying **JAVA and Web** Applications for the testing team to be tested on time so that the delivery of the product can be done on time to the client.

**Technical Tools:** C Shell, Python, Bash, Linux, MySQL, Apache, WebLogic, Java.