**Divya**

**Cloud/DevOps Engineer**

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10 years of IT experience with sound knowledge in Amazon Web Services **(AWS), Azure, and GCP** under the **Unix/Linux/Windows** platforms with strong knowledge of the principles and best practices of Software Configuration Management (**SCM**) in **Agile, Scrum, and Waterfall methodologies**. Experience in the IT industry with a major focus on **Release Management, Software Development, Configuration, Build and Release Engineering, DevOps engineering, and Automation**.

**PROFESSIONAL SUMMARY:**

* Strong Experience in setting up the enterprise infrastructure on Amazon Web Services (**AWS**) like **EC2** instance, **ELB, EBS, S3 Bucket, Security Groups, Auto Scaling, AMI, RDS, IAM Cloud formation, Cloud Front & VPC services.**
* **Hands on experience in Amazon Web Services (AWS) provisioning and very proficient on AWS services like IAM, VPC, EC2, EBS, RDS, S3, Glacier, Lambda, ELB, Auto Scaling, Elastic Beanstalk, Route 53, CloudFront, CloudWatch, CloudTrail, SQS and SNS.**
* Experience in technologies and platforms including **JAVA**, **Node.js**, **Jenkins**, **Subversion**, **Git**, **Unix/Linux**, windows server, **VMWare**, **Docker**, **Vagrant**, **Ansible**, **Chef**, **Puppet AWS**.
* Provisioning Web Servers in **AWS** using different services **EC2, VPC, ELB, Auto Scaling, Route53** using Cloud formation templates & AMIs using Infrastructure as a Service (**IAAS**).
* Experience in **Azure IaaS, PaaS**, Provisioning VMs, Virtual Networks, Deploying **Web Apps** and creating **Web-Jobs, Azure Cosmos DB**, **Active Directory, Azure Windows server,** Microsoft **SQL Server**, **Microsoft Visual Studio, Windows PowerShell**
* Hands-on in various **Azure** services like **Compute** (**Web Roles, Worker Roles), Caching, Azure SQL**, **NoSQL**, **Storage**, and **Network services**, **Azure Active Directory, API Management, Scheduling**, **Azure Autoscaling**, **PowerShell Automation**, **Azure Virtual Machines**, **Azure Search**, **Azure DNS**, **Azure VPN** Gateway.
* Expertise in **Azure IaaS - Virtual Networks, Virtual Machines, ARM Templates, Resource Groups, Traffic Manager, VPN, Load Balancing, Application Gateways, Auto-Scaling,** and Applied high availability with **Azure Classic and ARM** deployment models.
* Architected and implemented automated **Cloud Infrastructure** using **Chef** and **Puppet** on multi-platforms on **AWS** Cloud Servers.
* Experience in working with configuration management tools like **Puppet, Chef,** and **Ansible**. Experience in setting up **Puppet Master, and Puppet Agents** for managing enterprise policies and configurations.
* Created and Maintained **Chef Recipes** and **Cookbooks** to simplify and expedite the deployment of applications and mitigate user error.
* Proficient with container systems like **Docker** and container orchestration like EC2 Container Service, and **Kubernetes**, worked with Terraform.
* Managed Docker orchestration and Docker containerization using Kubernetes.
* Have basic knowledge on Control-M scheduler and Autosys.
* Used **Kubernetes** to orchestrate the deployment, scaling, and management of Docker Containers.
* Implemented a Continuous Delivery framework using **Chef,** **Jenkins**, and **Maven** in a **Linux** environment on the **AWS** Public cloud.
* Written **Terraform** templates, **Chef** Cookbooks, and recipes, and pushed them onto the **Chef** server for configuring **EC2** Instances.
* Performed automation tasks on various **Docker** components like **Docker Hub, Docker Engine, Docker Machine, Compose,** and **Docker Registry.**
* **Dockerized** applications by creating **Docker images** from **Docker file**
* Experience on Airflow and related tools to get to the client requirements.
* Implemented Continuous Integration and deployment using various **CI** Tools like **Jenkins, and Bamboo**.
* Extensively worked on **Hudson, Jenkins**, **Team City,** and **Bamboo** for continuous integration and End to End automation for all builds and deployments.
* Experience in administrating, deploying, and managing **RedHat, Ubuntu,** and **CentOS** servers.
* Good experience working in Airflow.
* Proficient in **Python, Perl Scripting, Shell Scripting, SQL**, and build utilities like open make, **ANT,** and Cruise Control.
* Experience in **AWS**, **Kubernetes, and Docker** andwriting scripts in **Perl** and **Shell** Scripts for managing various enterprise applications.
* Hands-on Experience in branching, tagging, and maintaining the version across the environments using **SCM** tools like **GitHub**, **Subversion** (**SVN**), and **TFS** on Linux and Windows platforms.
* Experiences in the design and implementation of Hybrid Test Automation Framework build using **Selenium RC, TestNG, Maven, and Apache POI** technologies under the **Java** platform.
* Automated setting up server infrastructure for the **DevOps** services, using **Ansible**, **shell,** and **python scripts**.
* Worked with different Bug trackings tools like **JIRA, Rally, Remedy, HP Quality Center,** and **Fisheye.**
* Written Terraform scripts to automate AWS services which include ELB, CloudFront distribution, EC2, database security groups, Route 53, VPC, Subnets, Security Groups, and S3 Bucket and converted existing AWS infrastructure to AWS Lambda deployed via Terraform and AWS CloudFormation.
* Generated workflows through Apache Airflow, then Apache Oozie for scheduling the hadoop jobs which controls large data transformations.
* Stored and manage cryptographic keys, secrets, and certificates used by cloud applications and services by using AKV (Azure Key Vault).
* Combined Protractor with powerful tools and technologies such as **Selenium, Web Driver, Cucumber,** and **JBehave.**
* Integrated **Jenkins** with various **DevOps** tools such as **Nexus, Sonar Qube, Puppet,** etc.
* Extensively worked on **Artifactory** and **Nexus** Repository Managers to deploy software built through **Jenkins** Build Jobs.
* Secrets Management and storage using AWS Secrets Manager, Systems Manager Parameter Store and Vault
* Created automation and deployment templates for Relational and **NoSQL** databases (standalone and RDS), including **Oracle, SQL Server**, **MongoDB, and** **MariaDB** in AWS.
* Define and build a workflow to include Compile, **JUnit, SonarQube**, **Jacoco, Karma, Packaging, Deployment**, and **Selenium** testing.
* Hands on experience with AWS services such as Storages S3, EBS, EC2, Elastic Load Balancer, Cloud Watch, Autoscaling, Api Gateway, Apigee, Iam, Kms, Secret Manager, DynamoDB, Lambda Function, VPC, Subnets.
* Extensive Experience in **Atlassian**, ticketing, and tracking tools like **JIRA, REMEDY, ClearQuest, Redmiand, Bugzilla** for Production **hotfixes,** and **bugfixes**.
* Set up **GCP** Firewall rules to allow or deny traffic to and from the VM's instances based on specified configuration and used **GCP cloud CDN** (content delivery network) to deliver content from GCP cache locations drastically improving user experience and latency.
* Worked on **google cloud platform (GCP)** services like compute engine, cloud load balancing, cloud storage, cloud SQL, stack driver monitoring, and cloud deployment manager.
* Configuring and deploying instances on **GCP** environments and Data centers, also familiar with Compute, **Kubernetes Engine, Stack driver Monitoring, Elastic Search,** and managing security groups on both.
* Used **GCP App Engine** for deploying and scaling web applications and services developed with Java.
* Leveraged **GCP** cloud services such as Compute, auto-scaling, and VPC to build secure, highly scalable, and flexible systems that handled expected and unexpected load bursts.

**TECHNICAL SKILLS:**

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| **Version Control** | GIT, SVN, CVS, Bitbucket |
| **Languages** | C, Java, Bash, XML, Ruby, Python, Perl, Shell Scripting |
| **Scripting** | Python, Shell Scripting, Power Shell, YAML |
| **Operating System** | Microsoft Windows, Red Hat, Centos7, Ubuntu, Sun Solaris, Fedora |
| **Virtualization** | Windows Hyper-V, VMware ESXi, Virtual Box, vCenter, vSphere |
| **Container Orchestration** | Docker, Docker Swarm, Kubernetes, OpenShift, EKS, ECS. |
| **Build Tools** | Ant, Maven, Gradle |
| **CI Tools** | Hudson, Jenkins, Bamboo |
| **Automation/Configuration Management** | Jenkins, Chef, Puppet, Ansible, Kickstart, Jumpstart |
| **Testing and ticketing tools** | SonarQube, Selenium, JIRA, ServiceNow, Remedy, ConnectWise, |
| **Monitoring and Logging Tools** | Nagios, Splunk, ELK, Datadog, Dynatrace |
| **Databases** | Oracle 10g/9i, SQL Server, MySQL, SQL Server, NoSQL, Mongo DB, Cassandra |
| **Servers** | Oracle WebLogic, Tomcat, WebSphere MQ series |
| **Protocols/ Services** | HTTP, HTTPS, SSL, DHCP, DNS, SSH, SFTP, TCP/IP, FTP/SFTP, SMTP |
| **Cloud Tools** | Microsoft Azure, AWS (EC2, EBS, ELB, Auto Scaling, S3, VPC, IAM, AMI, CloudFormation, CloudWatch, SNS, RDS, EFS), Open Stack |
| **Others** | Nagios, Splunk, Artifactory, Confluence |

**PROFESSIONAL EXPERIENCE:**

**Truist Bank, North Carolina Jun 2021 - Current**

**Sr DevOps Engineer (AWS | Azure | Kubernetes) / SRE**

**Responsibilities:**

* Used **Azure Kubernetes** Service to deploy a managed **Kubernetes** cluster in **Azure** and created an **AKS** cluster in the Azure portal, with the Azure CLI, also used template-driven deployment options such as Resource Manager Templates and Terraform.
* Experience in deploying **Apache Kafka on the Kubernetes container management system,** to automate **the deployment, scaling, and operation** of containers across clusters of hosts.
* Using Apache Kafka on Kubernetes with **cloud-native development** for the application development
* Responsible for deployment of large-scale Confluent Enterprise Kafka on Kubernetes and developing self-service tooling to **manage multiple Kafka clusters**
* Worked on AWS CloudWatch, CloudFormation, Cloud Trail services and CloudFront to setup and manage cached content delivery. Created Elastic load balancers (ELB) and used Route53 with failover and latency options for high availability and fault tolerance.
* Involved with the development team with best practices, **onboarding, monitoring, troubleshooting, optimizing, and tuning** Kafka clusters
* Involved in integrating Public Cloud messaging systems with internal ones with a focus on automation and DevOps
* Hands-on with **Azure Pipelines to automatically deploy to Azure Kubernetes Service (AKS)** to build, test, and deploy with continuous integration (CI) and continuous delivery (CD) using Azure DevOps
* Using AKS to create and manage containers on the cloud-based server systems.
* Using AKS Kubernetes run inthe infrastructure on containers to operate on different machines/environments to avoid breakdowns
* Implementing **Azure Service** Offering, such as **Azure cloud services, Azure storage, IIS, Azure Active Directory (AD), Azure Resource Manager (ARM), Azure Storage, Azure, Blob Storage, Azure VMs, SQL Database, Azure Functions, Azure Service Fabric, Azure Monitor, and Azure Service Bus**.
* Experience to add keys and creating secrets in Secrets manager (AWS service)
* Expertise working with Tomcat, Apache, Control M, SVN, CVS, Build forge, DB2, Hudson, Jenkin, Autosys, Informatica, Maven, LDAP, Unix scripting.
* Involved in designing and deploying large applications utilizing almost all the AWS stack (Including EC2, Route53, S3, RDS, Dynamo DB, SNS, SQS, IAM) focusing on high availability, fault tolerance, and auto-scaling in AWS CloudFormation.
* Implemented a 'server less' architecture using API Gateway, Lambda, and Dynamo DB and deployed AWS Lambda code from Amazon S3 buckets. Created a Lambda Deployment function and configured it to receive events from your S3 bucket.
* Hands on experience in Amazon Web Services (AWS) provisioning and very proficient on AWS services like IAM, VPC, EC2, EBS, RDS, S3, Glacier, Lambda, ELB, Auto Scaling, Elastic Beanstalk, Route 53, CloudFront, CloudWatch, CloudTrail, SQS and SNS.
* Used Jenkins pipelines to drive all microservices builds out to the Docker registry and then deployed to **Kubernetes**, Created Pods, and managed using **Kubernetes**.
* Exposure to create custom **Datadog** **plugins** to report additional information on multiple services to provide actionable insights.
* Created dynamic routing/load balancingcapability, allowingfor large application scaling, used ingress rules, and a Network Load Balancer wif teh NGINX Ingress Controller on Amazon EKS.
* Expertise in configuring teh monitoring and alerting tools according to teh requirement like Prometheus and Grafana, setting up alerts and deploying multiple EKS dashboards for various microservices in K8's.
* Involved in using **Datadog** to monitor cloud-scale applications, bringing together data from servers, databases, tools, and services to present a unified view of an entire stack.
* Experience in **Migrating** the Legacy application into the **GCP** Platform.
* Integrated AWS Dynamo DB using AWS Lambda to store the values, items, and backup the Dynamo DB streams and implemented CloudFormation modules for deployment of applications across multiple cloud providers.
* Responsible for managing the **GCP** services such as Compute Engine, **App Engine**, **Cloud Storage**, **VPC**, Load Balancing, Big Query, Firewalls, and Stack Driver.
* Building/Maintaining **Docker** container clusters managed by **Kubernetes** Linux, Bash, GIT, Docker on AWS,
* Utilized Kubernetes and **Docker** for the runtime environment of the CI/CD system to build, and test deploy.
* Created Bash scripts for error handling on Control-M jobs and our password automation.
* Involved in the development of test environment on Docker containers and configuring the **Docker** containers using **Kubernetes**.
* Created alarms and trigger points in **Cloud Watch** based on thresholds and monitored logs via metric filters.
* Worked on setting up Log Analysis AWS Logs to **Elastic Search** and **Kibana** and Manage Searches, Dashboards, custom mapping, and Automation of data.
* DevOps Engineering in various technology stacks including but not limited to **AWS, Azure, Docker, Containers, Python, Kubernetes, NodeJS, Angular, Terraform, Ansible, Jenkins, GIT, JIRA**, Monitoring in Cloud Environment.
* Converted **Pom.xml** into the build. **Gradle**to build the applications using **Gradle**.
* Managed the artifacts generated by Maven and **Gradle** in the Nexus repository.
* Worked on designing and deploying a multi-tier application utilizing almost all of the main services of the AWS stack (like EC2, S3, RDS, VPC, IAM, ELB, Cloud watch, Route 53, Lambda and Cloud Formation) focused on high - availability, fault tolerance environment.
* Deployed a Django application connected to Azure SQL using Docker and Azure App Service
* Involved in the migration of the **CI** tool stack from **SVN** to **GIT**, Maven to **Gradle**, and **Build a force** to **Jenkins**.
* Managed the artifacts generated by Maven and **Gradle** in the **Nexus** repository.
* Designing and implementing **CI** (Continuous Integration) system: configuring **Jenkins Servers, and Jenkins nodes**, **TFS** creating required scripts (**Perl & Python**), and creating/configuring VMs (**Windows/Linux**).
* Monitoring app servers using **ELK** - **Elasticsearch, Logstash,** and **Kibana** for debugging and logging.
* Used monitoring servers using **Nagios, Splunk, Cloud watch,** and using **ELK**.
* Setup and build AWS infrastructure resources like s3 bucket, Api Gateway, Apigee gateway,, DynamoDB, KMS, secret manager, Vpc, Subnets.
* Worked on deploying **Splunk** systems and Monitor Splunk internal logs from the monitoring Console (MC) to identify and troubleshoot existing or potential issues
* Worked with **Terraform** for automating **VPCs, ELBs**, security groups, SQS queues, and **S3** buckets, and continued to replace the rest of our Infrastructure.
* Installed, configured, and administered the CI tool **Jenkins** for automated builds.
* Analyzed and resolved conflicts related to the merging of source code for **SVN** and **Git**.
* Worked on creating and documenting POC for helping migrate the current Application to microservice architecture. The architecture included **Docker** as the container technology with **Kubernetes** and worked with **REST API**.
* Created **Docker** images using a **Docker file**, worked on **Docker** container snapshots, removed pictures, and managed **Docker** volumes.
* Virtualized the servers using **Docker** for the test environments and dev-environments needs. And configuration automation using **Docker** containers.
* Created multiple **Python, Perl,** and **UNIX** shell Scripts for various application-level tasks.
* Used **Nagios** as a monitoring tool to identify and resolve infrastructure problems before they affect critical processes and worked on **Nagios** Event handlers in case of an automatic restart of failed applications and services.

**Environment**: Chef, Vagrant, AWS EC2, AWS S3, Datadog AWS Route53, EKS, AWS VPC, Azure, Jenkins, Ruby, Shell, Apache Mesos, Marathon, Chronos, AWS API Gateway, Cloud formation, Docker, Kubernetes, Splunk

**USAA, Remote Jun 2019- May 2021**

**DevOps Engineer**

**Responsibilities:**

* Implemented **AZURE** SQL Server for storing the data related to recruitment and extensively worked on queries and stored procedures.
* Troubleshooting Issues related to Cluster deployments.
* Managing Cluster nodes for Physical issues and escalating issues to respective vendors.
* Working knowledge of **AZURE** cloud IaaS and PaaS Services, **AZURE** SQL, **AZURE** storage, and **AZURE** Services.
* Setting up private networks and sub-networks using Virtual Private Cloud (VPC) and creating security groups to associate with the networks.
* Created AWS Launch configurations based on customized AMI and use this launch configuration to configure auto- scaling groups Implemented AWS solutions using EC2, S3, RDS, DynamoDB, Route53, EBS, Elastic Load Balancer, and Auto Scaling groups.
* Designed and Implemented CI & CD Pipelines using Git, Jenkins, Maven, ECR and EKS from scratch achieving theend to end automationfromcode check intodeploying docker images to EKS clusters.
* Design roles and groups using **AZURE** Identity and Access Management (IAM)
* Expertise in building CI/CD on AWS environment using AWS Code Commit, Code Build, Code Deploy and Code Pipeline and experience in using AWS Cloud Formation, API Gateway, and AWS Lambda in automation and securing the infrastructure on AWS.
* Develop and maintain custom internal Bash & **Python** scripts to automate the management of **AWS** and cloud environments.
* Experience with Configuration Management - **Ansible**, which includes creating, and modifying Playbooks for various applications.
* Worked on **Shell** and Python scripting to automate the tasks and passed Bash scripts to the Jenkins job for server **provisioning**.
* Build servers using AWS, importing volumes, launching EC2, RDS, creating Security groups, Auto-Scaling, and Load balancers (ELBs) in the defined virtual private connection.
* Understanding secure-cloud configuration (CloudTrail, AWS Configuration), Cloud-security Technologies (VPC, Security Groups, etc.), and Cloud-permission systems (IAM).
* Installed **Nagios** on global servers, Managing Monitoring solution using Nagios Environment.
* Worked wif AWS services such as EC2, S3, VPCs, Auto-scaling policies/groups, security groups and Route 53, Secrets manager and Cloud watch.
* Experience in **Monitoring** the system and **network stability** and performance, and tuning performance as necessary.
* Day-to-day management/monitoring/troubleshooting of multi-tier applications using **Ansible** and Nagios in Dev, QA, and Prod **environments**.
* Created customAWS CloudFormation templatesinJSONtailoredto our organization requirementsto use them as blueprints for building & deployingEKS clusterswhich will set theproxyconfigured dynamically during teh cluster creation. expertise in creating Docker images using Docker File, worked on Docker container snapshots, removing images, and managing Docker volumes and implemented Docker automation solution for CI/CD model.
* Utilized **Kubernetes** for the runtime environment of the CI/CD system to build, test deploy.
* Have good knowledge in scheduling batch jobs using Control-M scheduler.
* **Kubernetes** is being used to orchestrate the deployment, scaling, and management of Docker Containers.
* Implemented docker-maven-plugin in maven pom to build **docker** images for all microservices and later used **Docker** file to build the docker images from the java jar files.
* Building/Maintaining **Docker** container clusters managed by **Kubernetes** Linux, Bash, GIT, and Docker, on GCP (Google Cloud Platform). Utilized **Kubernetes** and Docker for the runtime environment of the CI / CD system to build, and test deploy.
* Developed microservice onboarding tools leveraging **Python** and Jenkins allowing for easy creation and maintenance of build jobs and **Kubernetes** deployment and services.
* Experience in Deployment Automation & Containerization (Docker, Kubernetes).
* Implemented Data Discovery with AWS Glue to crawl the data sources and discover the schema and metadata of the data. Glue crawlers was used to configure to run on a schedule or on-demand to keep the data catalog up to date.
* AppleSystemUIFontExperience with SageMaker in creating notebook instances, preparing the data, and deploying the model
* Monitoring Amazon SageMaker using Amazon CloudWatch, collecting raw data, and processing it into readable, near-real-time metrics
* Experience in SageMaker for managing Identity-Based Policies, Resource-Based Policies, Access Control Lists (ACLs) Etc
* Experience in creating and managing IAM Users and Groups, IAM Roles like Federated user access, Temporary IAM user permissions, Cross-account access,
* Using SageMaker for the IAM role to manage temporary credentials for applications that are running on an EC2 instance and making AWS CLI or AWS API requests
* Built a new CI pipeline. Testing and deployment automation with Docker, Jenkins, and Ansible.
* Secrets management using Confidential corp Vault, AWS Secretes Manager, Parameter Store with AWS KMS
* Experience in running multi-container **Docke**r applications using Docker compose.
* Prepared mock cutover plans and cutover plans **for Pre-Prod and Prod Deployments**.
* Publish the changes concerning CIs and amend affected documents **periodically.**
* Tracking the change requests to closure and responsible for coordinating weekly Scrum meetings.
* Experience building **Virtual Machine Images** using VMWare primarily working on creating an RHEL6 server.
* Responsible for configuring the network on the **RHEL 6 and 7 servers**. Configured HTTP and Tomcat servers and deployed several .war applications on the **tomcat** servers.
* To achieve the **Continuous Delivery goal** in the highly scalable environment, used Docker coupled with the load-balancing tool Nginx.
* Responsible for **creating release documentation** after each release.

**Environment**: Red Hat, GIT, Ansible, Docker, Gradle, Maven, EKS, Ant, Jenkins, SSH, SSL, Kubernetes, Shell Scripting,

VMware, Conduit, Azure, AWS.

**JP Morgan Chase, Jersey City, NJ Jul 2017– May 2019**

**Jr. DevOps Engineer**

**Responsibilities:**

* Built infrastructure using AWS by importing volumes, launching EC2, DynamoDB, creating Security Groups, Load Balancers (ELBs) in the defined Virtual Private Cloud (VPC) and worked on setting the security groups, Auto scaling to design cost effective, fault tolerant and highly available systems.
* Creating AWS Custom AMI’s after installing packages on machines.
* Configured Elastic Load Balancers with EC2 Auto Scaling groups based on memory, CPU to adapt to unforeseen spikes without having an outage or needing manual intervention, Architect and design AWS Private Cloud Subnets, Security Groups, Network Access Controls, configure Load Balancing for application high availability as well as performance.
* Experience in working over Apache Spark, Kafka, and Cassandra under the environment of Apache Mesos. Also used Apache Oozie and Airflow.
* Mastery in managing security groups on AWS, focusing on high-availability, fault tolerance, and auto-scaling using Terraform templates along with Continuous Integration and Continuous Deployment with AWS Lambda and AWS Code Pipeline.
* Users’ management in Jenkins Server and also created Jenkins projects, jobs and plug-in management for different pipelines.
* Created S3 buckets, managed policies for S3 buckets as well as used IAM policies and bucket policies, groups to access S3 buckets by encrypting data in buckets with KMS.
* Created Shell scripts to automate creation of AMI's through pre-boot and bootstrapping techniques and Familiarity with Shell scripting and leveraging the PowerShell ISE for development and debugging.
* Integrated Jenkins CI/CD with GIT version control and implemented continuous build based on check-in for various cross functional applications and created Git Webhooks to setup triggers for commit, push, merge and pull request events.
* Authored the Jenkins Pipeline Framework and write Jenkins’s file to create Build, Test and Deployment Pipeline across different applications environments
* Designed and development of Glue Layer (Abstraction layer) and its deliverables.
* Created custom Jenkins files for different pipelines using Groovy Scripts.
* Integrated AWS Dynamo DB using AWS Lambda to store the values, items, and backup the Dynamo DB streams and implemented CloudFormation modules for deployment of applications across multiple cloud providers.
* Creating the automated build and deployment process for application, leading up to building a continuous integration system for all our products using Jenkins and Implementing a Continuous Delivery framework using Jenkins, Maven & Nexus in Linux environment.
* Maintain and trouble shoot systems performance and network monitoring using tools like Nagios, and AWS services such as CloudWatch and Splunk.
* Install, configure, modify, test & deploy applications on Apache Tomcat App server.
* Installed and configured apache airflow for workflow management and created workflows in python.
* Worked primarily on User requests like, system related to system access, logon issues, home directory quota, file system repairs, directory permissions, disk failures, hardware, and software related issues.
* Documented every release and successful installation walk to manage configurations and automate installation processes.

**Environment:** AWS, Azure, Red Hat Linux, Jenkins, Puppet, Chef, MySQL, Tomcat server, ANT, SHELL,

Java, Docker.

**TCS, Bangalore, India Sep 2012 - Dec 2016**

**Sr.Software Engineer**

**Responsibilities:**

* Installation, configuration, and administration of **Red Hat Linux** servers and support for servers.
* Planned and performed the upgrades to Linux (**Rhel 4x, 5x, use 10, 11, centos**) operating systems and hardware maintenance like changing memory modules, and replacing disk drives.
* Provided support for building the server, patching, user administration tasks, deployment, software installation, performance tuning, troubleshooting, and **KVM.**
* Installation and configuration of **Oracle** 7. X/8. X.
* Handling **NFS**, **Auto Mount, DNS, and LDAP-related** issues.
* Developed python code for different tasks, dependencies, SLA watcher and time sensor for each job for workflow management and automation using Airflow tool.
* Monitoring **CPU**, memory, physical disk, hardware and software raid, multipath, file systems, and networks.
* Performing failover and integrity tests on new servers before rolling out to Production.
* Deployment and configuration of application server **Tomcat** deploying java and web application.
* Writing **Shell Scripts** for automation of daily tasks, documenting the changes that happen in the environment, and each server, analyzing the error logs, analyzing the user logs, and analyzing the **/var/log/**messages.
* Good understanding of **OSI** Model, **TCP/IP** protocol suite **DNS, IP, ARP, TCP, UDP, SMTP, FTP, and TFTP**.
* Knowledge of Routers and Switches, Subnet, **VLAN, TCP/IP, Ethernet, VPN, OSI model, and Cisco Firewall**.
* Performed server updates, patching, upgrades, and package installations using **RPM.**
* Created local repositories on **Linux** servers Performed server updates, patching, upgrades, and package installations using **RPM** and **YUM**.
* Implementing Security policies using **ACL** and **CISCO PIX** firewalls.
* Creating new nodes and Pools in **F5 Load balancers** to support newly added servers in the Layer 3 environment.
* Performed server updates, patches, and upgrades using **YUM** and **RPM.**
* Installs Firmware Upgrades, **kernel** patches, systems configuration, and performance tuning on **Linux** systems.
* Extensive knowledge of Server administration, **Kernel** upgrade, and deployment of patches and applying all firewall and security policies with emphasis on maintaining best practices.

**Environment:** Microsoft Windows, RHEL5,6,7, Centos6,7, VMware, IBM WebSphere, IBM HTTP, Oracle Web Logic, MySQL, Shell, Bash, TCP/IP, SMTP, NFS, DNS, DHCP, KVM, LDAP, LVM, RAID