# Priyanka

# DevOps Engineer

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**AWS Certified** with **7** years of experience in IT comprising of **Designing**, **Development**, **Integration of DevOps tools**, **Build Automation**, **Management**, **Build/Release** and **Delivery Management**, **CI/CD**, involving **Linux** and **System Administration** along with cloud infrastructure services like (**Azure**, **AWS**, **OpenStack**) as well as Cloud Migration services using Cloud formation and **Terraform** templates.

### PROFESSIONAL SUMMARY

#### Expertise in Azure Development worked on Azure web application, App services, Azure storages (Azure Blob, Azure Table, Azure StorSimple) Azure SQL, NoSQL Database, Network services, Azure Virtual Machines, Azure Autoscaling, Azure AD, Azure Network Watcher, Azure search, Azure Fabric, Azure Hybrid Identity, Azure Governance, Azure web jobs, Azure Stream Analytics, Azure Time Series Insights, Azure DNS, Azure VPN Gateway, Notification hub & Azure IOT.

* Experience in Azure Cloud Services **(PaaS & IaaS & SaaS)**, Storage, **Web App**s, **Active Directory**, **Azure Application Insights, Logic Apps**, **Data Factory**, **Service Bus**, **Traffic Manager**, **Azure Monitoring**, **Azure OMS, Key Vault**, **Cognitive Services (LUIS)** and **SQL Azure**, **Cloud Services**, **Resource Groups**, **ExpressRoute**, **Load Balancing**, **Application Gateways**.
* Experience in creating and managing pipelines using **Azure Data Factory**, copying data, configuring data flow in and out of **Azure Data Lake Stores** according to technical requirements and in services like **Compute** (**Web Roles, Worker Roles), Caching, API Management, Scheduling**, **Resource Groups**, **Express Route**, **Load Balancing**, **Azure Batch Application**, **Azure WCF Relay**, **Azure Scheduler**, **Azure Wire Data**.
* Expertise in migrating the existing v1 (Classic) **Azure infrastructure** into v2 (**ARM**), scripting and templating the whole end to end process as possible and **migrating** as well on premise to **Windows Azure** in DR on cloud using **Azure Recovery Vault** and **Azure backups**. Configuring the **Azure Load Balancer** to Load balance incoming traffic to VM’s.
* Experience with **OpenStack** Services such as **Compute**, **Network**, **Storage**, **Dashboard**, **Image**, **Identity**, **Monitoring** and components such as **Nova**, **neutron**, **designate**, **Cinder**, **Swift, Glance, Horizon & Keystone**, and **Ceilometer.**
* Extensive knowledge on **Google Cloud Platform** (GCP) services like **compute engine**, **cloud load balancing**, **cloud storage**, **cloud SQL**, **stack driver monitoring** and **cloud deployment manager.**
* Experience in building services in **Google** **Cloud** **Platform** i.e. **GCE** **instances**, **BigQuery**, **GCS**, **Shared** **VPC**, **StackDriver**, **LoadBalancer.**
* Experience in Designing, configuring and managing public and private cloud infrastructures utilizing **AW Services** like **Elastic Container Service** (Docker Containers), **S3**, **Elastic Beanstalk**, **Cloud Front**, **Elastic File System**, **RDS**, **DynamoDB**, **Redshift**, **DMS**, **Kinesis**, **Cognito**, **VPC**, **Direct Connect**, **API Gateway**, **Route53**, **Cloud Watch**, **CloudFormation**, **Cloud Trail**, **Cloud Formation**, **Lambda**, **NACL**, **IAM**, **EMR, KMS,** Amazon Simple Queue Service (**Amazon SQS**) and **Elastic Search**.
* Hands on experience in Develop automation and processes to enable teams to **deploy, manage, configure, scale, monitor applications** in Data Centers and in **AWS** Cloud and **AZURE** andmoreover on **AWS**, focusing on **high-availability, fault tolerance, and auto-scaling** using **Terraform** templates.
* Experienced in using cloud migration tools like **Snowball**, direct connect for migrating data from on-premises data centers to AWS Cloud and Implemented **Terraform** modules for deployment of various applications across multiple cloud providers and managing infrastructure and in integrating **Terraform with Ansible**, **Packer** to create and version the **AWS Infrastructure**, designing, automating and implementing of **Amazon machine images** across the **AWS Cloud environment.**
* Expertise in **creating functions** and **assigning roles** in **AWS Lambda** and Provisioning AWS **Infrastructure** to run **python scripts** and **Terraform scripts** from Jenkins and writing CloudFormation templates to **automate AWS environment** creation along with the ability to **deployment on AWS**, using **build scripts** (AWS CLI) and **automate** solutions **using Shell and Python.**
* Experience in setting up and managing **ELK** (**Elastic Search, Log Stash & Kibana**) Stack to collect, search and analyze logfiles across servers, log monitoring and created geo-mapping visualizations using Kibana in integration with **AWS CloudWatch** and **Lambda**. Evaluated system logs using **ELK software stack**.
* Experience in maintaining applications by **Monitoring Logs** Information, Resources usage and Performance and get the Health and Security notifications from **AWS nodes** by using **ELK.** Expertise in writing **Terraform** templates to deploy various cloud environment infrastructures like Dev, QA and UAT in **AWS** and **Azure** cloud and hands on experience with **Hashicorp** tools Terraform, **Vagrant** and **Packer**.
* Expertise in **Terraform** for building, changing, versioning infrastructure and Collaborate the automation of AWS Infrastructure via **Terraform and Jenkins** and in working with Terraform for automating VPC's, ELB's, Security groups, SQS queues, S3 buckets and continuing to replace the infrastructure.
* Experience with **Pivotal Cloud Foundry**, **OpenShift**, Kubernetes **architecture** and design, **troubleshooting** issues with platform components (PCF), and developing global or multi-regional deployment models and patterns for large-scale **developments** and **deployments** on Cloud Foundry, **OpenShift** and **Kubernetes**.
* Experience in deploying **Kubernetes** Cluster on **Azure** cloud with **master**/**minion** architecture and wrote many **YAML** files to create many services like **Pods**, **Deployments**, **Autoscaling**, **Load balancers**, **Labels**, **Health checks**, **Namespaces**, **Config Map**, etc.
* Expertise in installing **GlusterFS** on-top of **Kubernetes** for dynamic PVC provisioning and implementing production ready, load balanced, highly available, fault-tolerant **Kubernetes** infrastructure and created **Jenkins jobs and Jenkins pipeline** to drive all **Microservices** builds out to the **Docker registry** and then to deploy applications to **Kubernetes Cluster**.
* Experience in Building and deploying the application code using **CLI** of **Kubernetes** called **kubectl**, **kubelet**, **kubeadm, Kubespray** and Schedule the jobs using **Kube scheduler**. Managed **K8s** charts using **Helm** and created reproducible builds of the **Kubernetes** applications.
* Experience in designing and deploying container-based production clusters using **Docker, Kubernetes, Docker Swarm, Docker weave, Docker composer, Docker file, OpenShift** and knowledge in **Apache Mesos.** Hands-on in using **OpenShift** for container orchestration with **Kubernetes**, container storage, automation, to enhance container platform multi-tenancy.
* Experience in working with **cluster management** and **orchestration** features embedded in **Docker Engine** which is built using **Swarm Kit** and worked on **creation** of **custom Docker container images, tagging, pushing** the **images** and **Dockers** consoles for managing the **application** of **life cycle.** Building Docker image with Packer and **provisioning** with Kubernetes by using **Docker Packer Builder**.
* Experience on **Ansible** and **Ansible Tower** dashboard, role-based access control, access to **Ansible** for deployments and worked with Ansible Playbooks to automate various deployment tasks and working knowledge on **Ansible Roles**, **Ansible inventory files** and **Ansible Galaxy**.
* Experience in writing **Jenkins** Pipeline **Groovy Scripts** for Continuous Integration and built workflows also used **Jenkins** for uploading Artifacts into **Nexus** Repository and Automated various day-to-day administration task by developing **Bash, Ruby, JSON, Perl, PowerShell,** and **Python** Scripts.
* Developed **Unix** **Shell** scripts, **Perl** scripts and **SQL** control files to load data through **SQL** **Loader** and Communicated with database using **Perl** **DBI**
* Experience with **Splunk Searching** and **Reporting** modules, Knowledge Objects, Administration, Add-On's, **Dashboards**, **Clustering** and Forwarder Management. Experience on Splunk Enterprise Deployments and enabled continuous integration on as part of configuration (**Props**.**conf**, **Transforms**.**conf**, **Output.confg**) management. Experience in working on Splunk **Authentication** methods, like **LDAP** Configuration, Creation of roles in Splunk.
* Experience in creating Disk Partitions, Logical Volume Manager (**LVM**) & **RAID** Technologies on different File Systems like **Ext2**, **Ext3**, **Ext4**, **XFS** on various **Linux** Distributions & involved in creating **Veritas** volume manager on **Solaris**. Expertise in installing, configuring, supporting, and troubleshooting Unix/Linux **Networking services** and **protocols** like **TCP, SMTP, HTTP, LDAP, DNS, NFS, DHCP, NAS, FTP, SSH,** and **SAMBA**.

**TECHNICAL SKILLS:**

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| --- | --- |
| * **Operating System** | Linux (RedHat 4/5/6/7, CENTOS), Unix, Solaris 11/10/9/8, Ubuntu 12/13/14,  Windows NT, Windows 8, 12, 12R2, MacOS. |
| * **Cloud Platforms** | AWS, Azure, GCP, PCF, OpenStack |
| * **Web Technologies** | HTML5, CSS3, XML, Ajax, jQuery |
| * **Configuration Management Tools** | Chef, Puppet, Ansible. |
| * **Virtualization Technologies** | Windows Hyper-V, VMware ESXi, Virtual Box, vCenter, vSphere, Power VM |
| * **Containerization Tools** | Kubernetes, Docker, OpenShift, Spinnaker, Docker Swarm |
| * **Application/Web Server** | Tomcat, Apache, Application Server, IIS, Oracle WebLogic Server 11g |
| * **CI and Build Tools** | Jenkins, ANT, Maven. |
| * **Testing and Ticketing tools** | SonarQube, Selenium, JIRA. |
| * **Monitoring/Logging Tools** | Nagios, Splunk, ELK, Datadog |
| * **Version Control Tools** | GIT, GitHub, Subversion, Bitbucket, CVS, Clear Case |
| * **Scripting Languages** | Python, Shell Scripting, Ruby Scripting, Power Shell, YAML Perl |
| * **Programming Languages** | R, C#, .Net, Java |

|  |  |
| --- | --- |
| * **Database Systems** | Oracle 10g/9i, SQL Server, MySQL, SQL Server, NoSQL, MongoDB, MariaDB, Cassandra |
| * **Networking/Protocol** | DNS, DHCP, Cisco Routers/Switches, NIS, NFS, WAN, SMTP, LAN, FTP/TFTP, TCP/IP |
| * **Repository Management** | Nexus, Artifactory |

**PROFESSIONAL EXPERIENCE**

**DevOps Engineer February 2017 - Present**

**Inovalon – Bowie, MD**

#### Responsibilities

* Configure a custom domain name that is an alias for the **Azure Storage Domain** and configure a **CNAME DNS** record for the

**Azure Content Delivery Network** (**CDN**) domain for providing access to the **Static** content with the least amount of **Latency**.

* Encode Source files into **single-bitrate MP4** files and Configured a **Content Key Authorization** policy and Configured an **Asset Delivery** policy for providing **Azure Media Services** Solution**.** Used **Azure Terraform** to deploy the **Azure** infrastructure necessary to create **development**, **test**, and **production** environments for a software development project.
* Worked on Azure **Cloud services**, **Azure storage, AzureCLI, Azure AD** and **Azure Service Bus**. Managing Client's Azure based **PaaS** and **IAAS** environment and Deployed **Azure IAAS, PAAS VM’s** in **Master Slave Architecture** into **ARM** templates and **Cloud services (PaaS role instances)** into secure **VNET’s** with **Azure** Internal Load Balancer and subnets.
* Automated a **portfolio** of **scripts** using **Azure automation** tool Create an **ad hoc script** to add a virtual machine using **Desired State configuration** tool and provided Real Time Predictions by using **Azure Stream Analytics** and Used **Azure IOT Hub** for **Monitoring Assets** and **Telemetry Ingestion.**
* Designed and implemented ASP.NET Core 2.x micro services utilizing docker for container virtualization and Kubernetes for container orchestration.
* Configured **Azure Web Apps**, **Azure Application Insights**, **Azure Application Gateway**, **Azure DNS**, **Azure Traffic manager**, **Azure Network Watcher**, implementing Azure site. Created the Azure storage accounts, VNET's, Subnets, assigned the public IP, Altered the security groups, **NIC's** and Azure VM's for internal applications using Ansible playbooks.
* Created and implemented **ARM templates** and deployed them using the Azure portal, also used **Azure quick start**

templates for **Cloud Infrastructure design** and implementation to Deploy Web applications on **Azure PowerShell** Workflow.

* Worked with security team to make sure azure data is highly secure and configured **BGP routes** to enable **ExpressRoute**

connections between on premise data centers and **Azure cloud**.

* Involved in Server less services (**Azure Functions**) where I created and configured **HTTP** Triggers in the Azure Functions with Application insights for monitoring and performing the **load testing** on the Applications using the **VSTS**.
* Designed, configured, and deployed **Microsoft Azure** for a multitude of applications utilizing the Azure (Including Compute, **Web & Mobile**, **Blobs**, **ADF**, **Resource Groups**, **Azure SQL**, Cloud Services, and ARM) adhering to the SLA by placing them in Availability Sets and scaling them using VMSS (Scale Sets).
* Application Deployment on **PCF** using **CF push** and Urban code deploy. Also, PCF backup for all the environments and set- up **Jenkins maven** build automation with uploads to **Pivotal Cloud Foundry (PCF)**
* Collaborated in building **Docker** images; create build and deployment configurations to deploy applications on **OpenShift**. Deployment of a Dockerized **Rabbit MQ** in **OpenShift** so that we might use the auto-scaling capabilities of OpenShift with a Rabbit MQ cluster.
* Created **Docker** slave Nodes using custom Docker images and pulled them to **ACR** and worked on all major components of Docker such as **Docker Daemon**, **Docker Hub**, **Docker Images**, **Docker registry**.
* Collaborate on building **Java** based **REST API** as a **Microservice** and deployed those using **Docker** containers and **Kubernetes** and used **Docker** to run and deploy the application in multiple containers **Docker Weave** for auto discovery. Virtualized the servers on **Azure** 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 tool **Nginx**
* Worked on **Docker-Compose**, **Docker-Machine** to create **Docker containers** for testing applications in the **QA** environment and automated the deployments, scaling and management of containerized applications across clusters of hosts using **Kubernetes**.
* Created and Managed with **Kubernetes** in all the environments and **troubleshooting** the issues and errors while deploying **Kubernetes Pods** and Configured the **Kubernetes** provider with **Terraform** which is used to interact with resources supported to create several services such as Config Map, Namespace, Volume, Auto scaler.
* Used **Kubernetes** for **Docker** container orchestration and managed **Kubernetes** charts using **Helm**. Created reproducible builds of the Kubernetes applications, managed **Kubernetes manifest files** and managed releases of **Helm packages.** Established a local dev workflow that centered around **Minikube** to validate deployments in **Kubernetes**.
* Responsible for using **cloud** **native** to take an application from a repository through a **continuous** **integration** and **delivery** **pipeline**.
* Wrote an **Ansible** role that combined with **Terraform** and **Terragrunt** will deploy an application. It can auto discover **SSL certificates** and **subnets** for deployment. It allows us to enforce security best practice when deploying a new application.
* Developed Restful API's using **Ansible YAML** Scripts, **python**. Involved in building a Microservice architecture with **spring boot**, Docker and implemented **CI**/**CD** for all the Microservices through **Maven** build tool using Deployments through **Ansible** server.
* Worked on writing the **ansible** playbooks for **provisioning** the Azure VM's. Developed **Python scripts** to automate the project creation, setting permissions for users, groups in **TFS**. Developed automation scripting in **Python** using **Ansible** to deploy & manage **Java, .Net** applications across **Linux** servers.
* Integrated **Ansible** with **Jenkins** to provide automation, **continuous integration** & **Continuous Deployment** through **Jenkins** and wrote Playbooks to automate **Ansible servers** using **YAML scripting**. Implemented **Jenkins Workflow** and Plugins for repeatable deployments of **multi-tier** applications, **artifacts,** and services to **Docker.**
* Installed and configured **Nexus** Repository Manager to share the **artifacts** between the teams within the company and created **SonarQube** reporting dashboard to run analysis for every project. Developed microservices on boarding tools leveraging **Python** and **VSTS** allowing for easy creation and maintenance of build jobs and **Kubernetes** deploy and services.
* Used **Python API** for uploading all the agent logs into **Azure** blob storage. Managed internal deployments of monitoring and alarm services for the **Azure Infrastructure (OMS).**
* Defined and managed release planning and branching strategy of **GIT** servers. Also, helped educate engineering community on the appropriate use of **GIT**. Implemented auto environment creation using **ansible** and **Azure**. Responsible of being a reporter for each of the issue opened in **JIRA**. Migrated DBA, Development and Testing teams from Version One to **JIRA**.
* Worked on **JIRA** for ticketing and as well as defect tracking system and configure various workflows, customizations and plug-ins for **JIRA bug/issue tracker**, integrated Jenkins with JIRA, GitHub, Maven.
* 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 automatic restart of failed applications and services. Implemented the automated **Nagios** in **Ops** environment for alerts & email notifications using **Python** script & executed them through **Ansible**.

***Environment****: RedHat Linux 7.x, CentOS, Azure, Pivotal Cloud Foundry (PCF), Jenkins, JIRA, Python, Docker, Kubernetes, Virtualization, Apache HTTP server, Nginx, Nexus, Java, .Net, JDK1.7, GitHub.*

**DevOps Engineer July 2015 - Feb 2017**

## T-Mobile – Los Angeles, CA

#### Responsibilities

* Configured **AWS** Identity and Access Management (**IAM**) Groups and Users for improved login authentication. Provided policies to groups using policy generator and set different permissions based on the requirement along with providing **Amazon Resource Name** (**ARN**) and Maintained the user accounts **IAM** Roles, **Route 53**(**CNAME**), **VPC**, **RDB**, **MongoDB**, **SQS** & **SNS** services in **AWS** cloud.
* Managed data warehouse using **Amazon RedShift** to analyze all data using **SQL** & existing business intelligence tools. Converted existing **AWS** infrastructure to serverless architecture (**AWS Lambda, Kinesis**) deployed via **Terraform** & **AWS Cloud formation** and Handled operations on **AWS Cloud Resources** which includes launching, maintaining, and troubleshooting **EC2 instances, S3 buckets, Virtual Private Clouds (VPC), Relational Database Services (RDS**) and **Elastic Load Balancers (ELB)**.
* Integrated Docker container orchestration framework using Kubernetes by creating pods, Config Maps and deployments.
* Configured and maintained the **AWS Lambda function** to trigger when there is a **Jenkins** build kicked off, which internally gets stored on **AWS S3 bucket** for everybody to access. Created **Route53** to route traffic between different regions. Worked with **Security groups** & **Network ACLs.**
* Wrote **Lambda functions** in python for **AWS Lambda** and invoked python scripts for data transformations and analytics on large data sets in **EMR** clusters and Amazon **CloudWatch** for simple monitoring of metrics.
* Involved to trigger **AWS Lambda** when data is updated or modified in **S3** and Data Validations, filtering every data and load the transformed data to **AWS Redshift**.
* Managed AWS **EC2 instances** utilizing **Auto Scaling**, **Elastic Load Balancing** and **Glacier** for our **QA** and **UAT** environments as well as infrastructure servers for **GIT** and **Chef** and Written Various **Cookbooks** for various node configurations to modularize and optimize product configuration, converting production support scripts to **Chef Recipes** and **AWS server** provisioning using **Chef Recipes**.
* Worked on creation of **multiple Amazon Machine Images** (**AMI**) for multiple regions and different environments using

**Packer Scripts** and automated in Ansible playbooks.

* Managed 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**.
* Developed **automation** framework for Application Deployments to the **Cloud** environments using **Terraform** and maintained Docker as **Elastic Container Service** (ECS). Utilized ECS for launching and terminating the containers and maintains complete information about the state of cluster.
* Improved the virtualization for the servers using the **Docker** for the test environments and Worked in DevOps group running **Jenkins** in a **Docker** container with **EC2** slaves in Amazon AWS cloud configuration. Implemented a Continuous Delivery pipeline with **Docker, Jenkins,** and **GitHub**. Whenever a new **GitHub** branch gets started, **Jenkins** automatically builds a new **Docker** container from it.
* Orchestrated and migrated **CI/CD** processes using Cloud Formation and **Terraform** Templates and Containerized the infrastructure using **Docker**, which was setup in **AWS VPCs**. Used AWS Beanstalk for deploying and scaling web applications and services developed with **Java, PHP, Node.js, Python, Ruby,** and **Docker** on familiar servers such as **Apache, and IIS.**
* Used **Kubernetes** to manage containerized applications using its nodes, Config-Maps, selector, Services, and deployed application containers as **Pods**. Deployed **Kubernetes** clusters on top of Amazon **EC2** instances using **KOPS** and managed local deployments in **Kubernetes** creating local clusters and deploying application containers.
* Wrote **templates** for **AWS Infrastructure** as code and Provisioning **AWS services** by using **Terraform** and **AWS Cloud Formation** templates. Automated the **Cloud Deployments** using **Chef** and **Cloud Formation** templates.
* Deployed and managed many servers utilizing both **traditional** and **cloud-oriented** providers with the **Chef Platform** and wrote **cookbooks** for various **DB** configurations to modularize & optimize project configuration. Created **Chef Recipes** to provision **Apache Web servers**, **Tomcat servers**, **Nginx,** and **Apache Spark**.
* Created Docker Image, configure Docker file, ignore file, deployed instances onto Kubernetes. Container Orchestration with operating multiple pods.
* Used **Ansible Tower** to create projects, inventory file, **jinja2** templates and scheduling jobs along with being skillful **Playbooks** writer using Python **SSH** as the **Wrapper** to Manage Configurations of **AWS** Nodes and being able to test them on AWS instances. Responsible for automated identification of application server and database server using **Ansible Scripts**.
* Created **Jenkins jobs** and distributing load on **Jenkins server** by configuring Jenkins nodes, which will enable parallel builds. Performed automation of **CI/CD pipeline** in private cloud using **Jenkins** shared libraries and multibranch pipeline and automated the static code analysis through **SonarQube** in **Jenkins pipeline** for checking code quality.
* Developed and Implemented Performance **Automation** Test Framework base functions by writing **Python** scripts using **AWS Python SDK Boto3** to configure, manage, deploy, and automate most of the Amazon Web services.
* Set up **Jenkins** server and build jobs to provide **Continuous Automated** builds based on **Polling** the **Git** source control system during the day and periodic scheduled builds overnight to support development needs using **Jenkins, Git, and Maven**.
* Design an **ELK** system to monitor and search enterprise alerts. Installed, configured, and managed the **ELK Stack** for **Log management** within EC2 and ELB and store logs and metrics into **S3** using **Lambda function (Python).**
* Setup the Elasticsearch **ELK Stack** to collect, search & analyze log files from across the servers. Evaluated system logs using **ELK** software stack and Created **ELK** Dashboards and Searches and Parsing logs in Graylog, as well as malware hunting through Kibana and Graylog.

***Environment:*** *AWS Components, Maven, Chef, Ansible, Docker, Kubernetes, Jenkins, GIT, Python.*

**Build and Release Engineer Sept 2014 - June 2015**

## Sephora – Dallas, TX

#### Responsibilities

* Involved in **DevOps migration/automation** processes for build and deploy systems. Used **Jenkins** and implemented **CI/CD pipeline** using plugins like conditional build step, deploy to Bitbucket.
* Set up **Jenkins** server and build jobs to provide **Continuous Automated** builds based on polling the **Git** source control system during the day and periodically scheduled builds overnight to support development needs using **Jenkins, JIRA,** and **ANT** and **Nginx**, **HTTP** web server as a reverse proxy to critical applications such as **Jira**, **Jenkins** & **IBM WebSphere** Application Server.
* Built scripts using **ANT** in **Jenkins** and **Sonar** to move from one environment to other environments. Deployed Applications into **PROD** & **Pre**-**Prod** environments with various Application server technologies like **WebLogic**, **Jboss** & **Apache Tomcat**.
* Responsible for **Continuous Integration (CI)** and **Continuous Delivery (CD)** process implementation using **Jenkins** along with

**Shell Scripts** to automate routine Jobs and pull the code from the **GIT repository** using **GIT plugin** and build it using **ANT.**

* Created various modules and automation of various facts in **Puppet**, adding nodes to enterprise **Puppet master** and managing **Puppet agents**. Creating **Puppet manifests** files and implementing Puppet to convert **Infrastructure as code**.
* Built and managed a highly available monitoring infrastructure to monitor different application servers and its components using **Nagios** with **Puppet** automation. Involved in editing the existing **ANT** files in case of errors or changes in the project requirements.
* Used **ANT** as a build tool in java projects for the development of build **artifacts** on the source code. Involved in editing the existing **ANT** files in case of errors or changes in the project requirements. Responsible for automated Scheduled Builds/Emergency Builds and Release using **ANT** scripts for an Enterprise application (**J2EE**).
* Performed **Kickstart** network installation of servers for Linux and UNIX and used repository management tools such as Artifactory and Nexus.
* Automate provisioning and repetitive tasks using Terraform and Python, Docker container, Service Orchestration.
* Developed **Shell Scripts** for automation of the build and release process. Developed custom solutions in **C#** to validate availability, consistency, and compliance with environments. Created artifact documents through the source code and internal deployment in **Nexus** repository.
* Responsible of being a reporter for each of the issue opened in **JIRA**. Migrated DBA, Development and Testing teams from Version One to **JIRA**. Worked on agile environment of **JIRA** refactoring existing components and widgets to keep in sync with the emerging new trends of **AEM**.
* Management of disks on Red Hat Linux Servers using **LVM,** creating volumes, file system and resizing volume, **Volume Groups, Logical volumes, and Disk Mirroring**. Implementation & Managing of RAID levels like RAID 0, RAID 1, RAID 5 using Solaris Volume Manager.

***Environment:*** *RedHat Enterprise Linux, Nagios, ANT, Shell, Puppet, CentOS, VMware, NFS, DNS, SNMP, and DHCP.*

**Linux Administration Jan 2013 - Aug 2014**

**AIG Life Insurance - Hyderabad**

#### Responsibilities

* Installed, configured, and managed **Global File System (GFS) in Linux Servers**, creating and managing Cluster suite using GFS. And Administration and maintaining of **VERITAS** Cluster Server.
* Managed users, groups, and permissions configured **LDAP** and given **SUDO** Access in test and development servers and allowed **passwordless** logins for authorized users on servers. Worked on **NIC bonding** on Linux Enterprise servers for high availability, redundancy, and Increased bandwidth.
* Responsible for configuring and maintaining **Squid** server in **Linux**. Deployed **Java** applications into **Apache Tomcat**

Application Servers.

* Created **Linux** Virtual Machines using **VMware Virtual Center**, creating **VM** Templates, and **troubleshooting** all

**Virtualization** related issues. Migrated different projects from **Perforce to SVN.**

* Used **ClearQuest** as Ticketing Tracking tool and Installed, upgraded, and managed packages via **RPM** and **YUM** package management.
* Installed, configured, performance tuning, security, backup, recovery and upgrade/patches of Linux and UNIX servers using

#### Crontab.

* Expertise in **UNIX** shell scripting and python scripts used to automate day to day administrative tasks. Involved in writing

**Shell scripts** for compilation and deployment process.

* In charge of reviewing existing manual Software Builds, developing scripts to automate repeated tasks that are more susceptible to errors and risks using **Shell** scripting.

***Environment:*** *Linux, RHEL, TCP/IP, Java, Oracle, Agile, MySQL, Shell Scripting.*

### System Administration July 2012 - Dec 2013

**HSBC - Bengaluru**

#### Responsibilities

* Administered **RedHat Enterprise Linux 5.x/4.x**, **OEL 5.x**, & **Solaris 9** Servers by testing, tuning, upgrading, patching, and troubleshooting both Physical & Virtual server problems.
* Used Veritas File system and Veritas Volume Manager 5.0 to configure the **RAID 1** & **RAID 5** Storage System for more redundancy. Created Disk volumes, Volume groups and Logical volumes (**LVM**) for Linux operating systems. Installed and Configured Apache Tomcat Web Server.
* Developed **Python** scripts for automation of the build and release process. Developed automation scripting in **Python** to deploy some applications.
* Performed **Kickstart** to automate installation process **CentOS server** units and wrote **Python script** to create multiple accounts at once and a script to configure **samba server** on Linux for file sharing.
* Involved in monitoring and troubleshooting Network like **TCP/IP**, **NFS**, **DNS** and **SMTP** in Linux servers and System Activities like CPU, Memory, Disk and Swap space usage to avoid any performance issues.

***Environment****: Linux Red Hat 3.x/4.x, RHEL 3/4/5, MySQL, DHCP, NFS, Apache, DNS, VMware, DNS, NIS, NFS, Apache Tomcat.*

**EDUCATION**

* Bachelors from Jawaharlal Nehru Technological University, Kakinada, India