

**Abhisekhar Reddy**

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Professional Summary

* Over **7 years** of experience in IT industry with Strong experience in **AWS, AZURE, DevOps Build & Release management, Software Integration, RedHat Enterprise Linux Administration** and **Configuration management.**
* Strong Experience in **DevOps** Environment and hands-on in Automation, configuration and deployment of instances on Various Cloud Services **AWS, Microsoft Azure, OpenStack and PCF**.
* Experience in Architecting configuring various applications on the cloud using **AWS services** like **Amazon** **EC2, EBS, S3, Glacier, RDS, ELB, VPC, Route 53, Cloud trail, Lambda, Elastic Cache, SNS, SQS, SES, Cloud Formation, Cloud Front, Cloud watch, IAM, DynamoDB, Directory Service.**
* Implemented **AWS Cloud Formation** and **AWS Ops Works** to deploy the infrastructure using **Chef** for provisioning various environments.
* Experience in Managing **AWS infrastructure** and automation with **CLI** and **API** and working on Inbound and Outbound services with automation **Ansible**.
* Hands on experience on using **Terraform** along with **packer** to create custom machine images and automation tools like **Chef/Ansible** to install software’s after the infrastructure is provisioned.
* Hands-on experience in deployment, monitoring and provisioning applications on the **Microsoft Azure cloud platform and OpenStack**.
* Experience in integrating an application with **Azure AD**, Designed multi-site and network and configured Site to Site & Point to Site VPN between on-premises and **Azure Networks.**
* Strong experienced in using **Build Automation tools** like **ANT, Maven, Gradle**.
* Experience in tools like **Hudson, Jenkins, Bamboo** for continuous integration and for End to End automation for all build and deployments.
* Implemented and maintained CI environments using **Jenkins** toperform Builds, Deployments production rollouts, Staging, defect tracking (**JIRA**), and service delivery over web/app servers like **JBoss, Tomcat, WebLogic, WebSphere.**
* Experience in using DevOps release tools such as **Puppet, Ansible,** continuous Integration tools such as **Jenkins** for automating/Scheduling the build processes and worked on Jenkins along with **Python** scripts to automate routine jobs.
* Authored many **Ansible playbooks** to provision Dev and Production servers and defined automation through tasks using **YAML** Script.
* Experience with **Ansible** and **Ansible Tower** as Configuration management tool, to automate repetitive tasks, quickly deploys critical applications, proactively manages change.
* Experience in creating multiple **Chef** **cookbooks, recipes, templates** and **attributes** on **workstations** to be deployed to various **Chef nodes**.
* Experience in Implementing elastic search clusters on **Microsoft Azure** using **Terraform scripts**.
* Experience in Branching, Merging, Tagging, and maintaining the version across the environments using **SCM** tools like **GIT**, Subversion on Linux platforms.
* Experience in creating network policies for **Docker** containers using **Docker Weave.**
* Extensively worked on **Docker** container snapshots, attaching to a running container, removing images, managing Directory structures and managing containers.
* Expertise in using the **Docker** for virtualization, Ship, Run and Deploy the application securely to fasten the Build/Release Engineering. Virtualized the servers using the **Docker** for the test environments.
* DevOps Practice for **Micro Services Architecture** using **Kubernetes** to orchestrate the deployment, scaling and management of **Docker** **Containers**.
* Expertise in **Power shell** to do **Patching, Imaging and Deployments** in **Azure**.
* Experience in data migration from Datacenters and **On-Premises** to cloud using **AWS** **Import/Export Snowball service.**
* Expertise on container orchestration tools, such as **Docker Swarm, Mesos**, and **Kubernetes**.
* Experience in with **Kubernetes** to provide a platform for automating deployment, scaling, and operations of application **containers** across clusters of hosts.
* Hands on experience in using **ELK** (Elastic Search, Kibana, Log stash), **Splunk, Nagios** to monitor the resources utilization for each application and applications/server’s health.
* Expertise in monitoring servers using **Nagios, Data dog, Cloud watch** and using **ELK Stack Elastic Search Log stash**
* Expertise in managing **AWS** instances by taking **AMIs** and performing administration and monitoring of **Amazon instances** using **Amazon Cloud Watch.**
* Expertise in **LINUX/UNIX** system builds, administration, Installations, Upgrades, Troubleshooting on different distributions, such as **Ubuntu, CentOS, Red Hat**.
* Experience in installing, configuring, supporting, and troubleshooting **Unix/Linux** networking services and protocols like **TCP, SMTP, HTTP, SNMP, NIS, NIS+, OSPF, LDAP, DNS, NFS, DHCP, NAS, FTP and SSH**.

**Technical Skills:**

|  |  |
| --- | --- |
| **Operating System** | UNIX, Linux, Windows, Solaris, Ubuntu. |
| **Cloud Services** | AWS, Microsoft Azure, OpenStack. |
| **Application/Web Server** | Oracle WebLogic Server 11g, Apache Tomcat, Oracle Application Server 10gBEA WebLogic 8.1/9.2, WebSphere, JBoss, Tomcat, IIS |
| **Container Tools** | Docker, Kubernetes, EC2 Container Service. |
| **Build Tools** | ANT, MAVEN, Gradle. |
| **Version Control Tools** | GIT, BIT Bucket Subversion, TFS, Perforce |
| **Databases** | MySQL 5.x, SQL Server 2008, Hadoop, PostgreSQL. |
| **Automation Tools** | Jenkins, Puppet, Chef, Ansible. |
| **SDLC** | Waterfall, AGILE methodologies. |
| **Monitoring Tools** | Splunk, Nagios, AWS Cloud Watch. |
| **Scripting Languages** | Perl, Python, Gradle, ANT, Maven, Ruby, Bourne, Bash shell, Power shell scripting, GO |
| **Network Protocols** | DNS, DHCP, CISCO Routers/Switches, Palo alto, TCP/IP, NFS, NIS, Juniper. |

 **Client: Pacific life Insurance Company - Remote Duration: September 2020 - Present**

 **DevOps Engineer**

 **Responsibilities:**

* Worked on standing up whole new Virtual desktop environment with **AWS Workspace** Desktop Service. Built everything from scratch.
* For Infrastructure of workspaces created **AWS VPC, Subnets, Security Groups, Ec2** for Hosting Linux Apps, AWS **Cloudwatch** for monitoring**, CloudTrail Logs**, **Config**, **AWS APP sync**, **Amazon EventBridge, Simple Notifaction service and Simple Queue Service, Lambda for Notifications, S3, EFS, IAM, AWS Cost optimizer.**
* Created an **Azure DevOps pipeline** for automated creation of Workspaces and integrated to **ServiceNow**. All the pipeline code is written in PowerShell.
* Connected the on-prem **Azure AD** to the new AWS VDI environment using **AWS Simple AD Connector**.
* Worked Extensively with network teams to bring up the connection for public internet into the Workspaces environment with help of **AWS Direct connect.**
* Implemented **AWS LAMBDA** functions and created an alerting system with help of Simple Notification service **(AWS SNS)** for monitoring **RADIUS server** status on **AWS Directories.**
* Diverted all the logs from Workspaces to **Splunk** with the help **Lambda function, cloud watch and AWS EventBridge**
* Executed **CloudFormation** scripts to stand up required infrastructure for Workspaces Manager tool. Which includes creating **S3 Buckets, EC2, IAM roles**, Service accounts etc.
* Configured the Workspaces using **Windows SCCM and Ansible.**
* Developed a webpage for Management tool interface using **JavaScript, CSS and HTML.**
* Troubleshooted many issues related to VDI environment and was on support for User issues. Trained whole support team for maintaining and Supporting environment.
* Stood up **VMWare Horizon on Azure cloud**. Implemented required infra on Azure cloud for this new VDI environment both on networking side and Security side
* For this VDI Env created several resources **like AZURE Virtual machines** to host Horizon, **Azure Virtual Networks, Azure Network watcher, Route tables, Azure Intune.**
* Rewind all the AWS and Azure accounts to Cloud 2.0. Implemented all the required **EISO** obligations**.**
* Responsible for design and development of “Audit Model Studio” Python application. Audit Model Studio frontend GUI developed using **Angular, Nginx** and backend **REST APIs** have been implemented in Python. Target runtime environment Ubuntu, Docker Container platform.
* Audit Model Studio provides simple to use User interface to extract specific audit template model, manipulate, change as needed, validate and deploy.
* Developed backend **Python REST API**, Frontend user interface, YAML deployment configurations, web Application reverse proxy configuration setup.
* Implemented a 'server less' architecture using **API Gateway**, **Lambda** and deployed **AWS Lambda** code from Amazon S3 buckets. Created a Lambda Deployment function and configured it to receive events from your S3 bucket.
* Generated graphical reports using python package **NumPy** and **matplotlib**.

 Created Docker container images by tagging and pushing the images and worked on the infrastructure using

 Docker containerization.

**Client: First Republic Bank [Taos mountain LLC] - San Francisco CA Duration: August 2019 – September 2020**

**Cloud Engineer**

**Responsibilities:**

* Replicated on-prem Infrastructure which is been using for bank’s Internal Applications and Customer applications in **AWS and Azure** clouds for more cost reliability and scaling based on Traffic.
* During this project worked on all the majorly used **AWS** services like **EC2, Lambda, Elastic Beanstalk, EC2 Image Builder, S3, EFS, AWS Backup, RDS, DynamoDB, VPC, CloudFront, Route 53 ,CloudWatch , AWS Auto Scaling, CloudFormation, CloudTrail, Config, IAM, Simple Notification Service, Simple Queue Service, Elastic Container Service, Elastic Kubernetes Service.**
* Experience on building a highly scalable, highly available public cloud infrastructure using **Azure PaaS services like Azure Storage,**Azure **SQL database, Virtual machines, Fabric controller,**Azure**AD,**Azure**search, Cloud services, Application Insights, Document DB, Internet of Things (IoT),**Azure**Monitoring, Key Vault and Visual Studio Online (VSO).**
* Experience in Private Cloud and Hybrid cloud configurations, patterns, and practices in Windows Azure and SQL Azure and in Azure web and database deployments.
* During very first steps Configured Four **VPC’s** for Dev, Shared Services, Staging and Prod. Which are used in various stages of **Application development cycle**.
* Configured **AWS Simple systems manager** (**SSM**) for managing all the resources for auditing and configuration on basic level.
* For Windows servers patching instead of using Microsoft updates I configured **Windows System Update service (WSUS)** through a **PowerShell** script of 1000 lines. After successful **ITAAP** and infosec approval, Wrote **Ansible** playbooks and deployed the service for all the windows servers.
* Designed and configured **Azure Virtual Networks** (**VNets), subnets, Azure network settings, DHCP address blocks** Extensively worked with automation tools like **Jenkins, Hudson** to implement the End to End Automation.
* Wrote **Ansible** playbooks to launch **AWS** instances and used **Ansible** to manage web applications, configuration files, used mount points and packages and Worked on playbooks for **Ansible** in **YAML** scripting
* Used **Terraform** As a code as infrastructure tool. Wrote **Modules** for all the services we use in **AWS** for repeated deployment in various environments. For that we followed **DRY** (do not repeat yourself). Instead of creating different repos used variables in **terraformvars.tf** files for different environments.
* After intensive testing, upgraded terraform to enterprise **TFE** for more user-friendly workspaces and **ServiceNow** integration based on line of business (**LOB**).
* Using a third-party application called **Data guise,** masked data in all the **S3 buckets, RDS and Postgres MySQL Databases.** Deployed the **life cycle policy** written by Data management team to all the S3 buckets in AWS.
* Deployed **EMR** clusters, Wrote **IAM** policies for various service accounts and **Endpoints** to reach out from and to Bank **AWS** accounts.
* Work with customers to deploy **Amazon WorkSpaces** virtual desktop solutions. Work with other AWS teams to drive virtualized workspace-related revenue
* Migrated nearly five thousand Small scale costumers into **Amazon WorkSpaces.** Assisted in migrating Internal on-prem windows and Linux Desktops to **AWS Workspaces.**  After Migration, Enabled **encrypted storage volumes, multi-factor authentication, and restricted access to trusted devices** from a specific range of IP addresses. WorkSpaces integration with existing **Active Directory (AD) and Group Policy Object (GPO).**
* **Auto-remediated** public block access, Logging and Life cycle policy on **S3 Buckets**. **Security group Outbound rules** public block using a **Lamda** **function,** a **Cloudwatch** rule and notification to emails through **SNS service.**
* Resource monitoring through **AWS-Config and Cloudwatch**
* Stood up **Redhat OpenShift Container Platform (OCP)** infrastructure using **Terraform and Ansible** on **AWS EC2** instances attaching **EBS Volumes** and Using AWS **Auto-scaling** for Infra and Nodes.
* On the **OCP** **clusters** installed **Cloud bees Jenkins**, **Jfrog** **Artifactory** and **hashicorp vault.**
* **Ansible playbooks** to automate the deployment of the applications to different **Prod/ Staging** Environments.
* Using **Python and Bash** scripting created repo tool.
* Created Infra and installed **Splunk, ServiceNow and Jira** tools. Configured **Splunk Forwarders and Indexers** for whole Environments. Achieved logs from all the Resources
* Hardened all the resources endpoints, Policies to block public access.
* Helped to establish the physical environments to perform effectively the software builds and deployments with an **emphasis on quality, integrity, and** security.
* Performed various Proof of concepts on various Third-party tools to choose the best like **Blackduck, webinspect, WAF shield, Aviatrix etc.**
* Participated actively in AWS Services Disaster Recovery test and third-party security tests like **Deloitte**
* Automated Web services by writing **Groovy scripts** and used assertions for data validation and performed data driven for validating different endpoints
* User account management, worked with **Perl, shell scripting (bash)** to automate administration tasks.

**Client: Archibus Inc -** **Boston MA (Remote) Duration: April 2019 – August 2019**

**DevOps cloud Engineer**

**Responsibilities:**

* Working on **AWS Cloud platform** and its features which includes **EC2, VPC, EBS, AMI, SNS, RDS, Cloud Trail,** C**loud Formation AWS Config, Auto scaling, IAM, S3**.
* I provided the **EKS Clusters** for the testing environment as they Planned to deploy Into **EKS Clusters** instead of ongoing [**Elastic Beanstalk**](https://us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1)deployment.
* For **EKS Clusters,** I configured The **AWS CLI** and **KubeCTL** command line to control the Image deployment from **AWS ECR.**
* Apart of those I cloned and created different [**Elastic Beanstalk**](https://us-east-1.console.aws.amazon.com/elasticbeanstalk/home?region=us-east-1)environments as per test environment requirements.
* I worked on creating the **RDS** database from snapshot in the **AWS** repository and created **RDS** databases installing on Docker which present on **EC2 Instances.**
* I modified **Terraform templates** for creating **EKS clusters** and configuring the existing VPC, Subnets and Route Tables for the cluster.
* Wrote the **Terraform Templates** for **IAM policies, Security groups, VPC and** **env variables.**
* Also Provided **Terraform templates** for the **autoscaling** of **EKS PODS** and Worker nodes
* Configure **AWS IAM** and Provided **EKS Kubernetes RBAC** to my Team members.
* Installing and troubleshooting skills for **EC2 instances, Elastic Load Balancers (ELB)**, and handle operation and maintenance support for AWS cloud resources.
* Implemented **Terraform** Enterprise to Provision Infrastructure across **AWS** and **Kubernetes Clusters**.
* Expertise in creating clusters using Kubernetes and worked on creating many pods, replication controllers, deployments, labels, health checks and ingress by writing recipes as well as managed Kubernetes charts using Helm.
* Managed Kubernetes using **Helm charts** and created reproducible builds of the Kubernetes applications and managed **Kubernetes manifest** files
* Written Templates for **AWS** infrastructure as a code using **Terraform** to build staging and production environments.
* Configured the **Build kite CI/CD** Pipeline to deploy the **Docker Image** from **ECR** into **EKS** cluster.
* Worked on **Ansible** to configure the six kinds of tests for the **CI/CD pipeline.**

My daily tasks Include:

* Acting as a technical lead for visible and complex projects, advocating for solutions across organizational boundaries
* Being an active participant in setting direction and strategy for the team and its products/services.
* Mentoring your technical peers
* Creating and delivering knowledge sharing presentations and documentation to both technical and non-technical audiences.
* Rotating on-call support of production infrastructure and applications.

**Environment:**

AWS, GITLAB, Jenkins, Shell, Linux (RHEL), Ansible, MariaDB, Git, Jira, PowerShell, TFS, Apache, TOMCAT web services, EC2, S3, RDS, EBS, auto scaling, Bash, and Unix/Linux, Windows, RHEL 4/5/6, CentOS.

**Client: Allstate Insurance Company, Dallas TX. Duration:** Feb 2018 – April 2019

**DevOps cloud Engineer**

**Responsibilities:**

* Working on **AWS Cloud platform** and its features which includes **EC2, VPC, EBS, AMI, SNS, RDS, Cloud Trail,** Cloud Formation AWS Config, Auto scaling, IAM, S3.
* Configure **AWS IAM** and Security Group in **Public and Private Subnets** in VPC and used AWS **Identity and Access Management (IAM)** to set user permissions and policies.
* Installing and troubleshooting skills for **EC2 instances, Elastic Load Balancers (ELB)**, and handle operation and maintenance support for AWS cloud resources.
* Implemented **Terraform** Enterprise to Provision Infrastructure across **AWS** and **Kubernetes Clusters**.
* Written Templates for **AWS** infrastructure as a code using **Terraform** to build staging and production environments.
* Worked on Infrastructure as a code automation using the tools **Terraform** and AWS **CloudFormation** on AWS infrastructure.
* Installing Chef Server Enterprise, **Workstation**, and bootstrapped the nodes using knife and automated by testing **Chef** recipes.
* Involved in writing the cookbooks and recipes and created multiple **Chef** Work stations.
* Created **AWS CloudFormation** stacks and deployed the services using chef by adding **chef run list** to the **User data** of Instances and **CloudFormation** stacks.
* Implementing a Continuous Delivery framework using AWS Code pipeline, code commit Jenkins, Chef, Maven & Nexus in **Linux server's environment**.
* Configured and maintained **Jenkins** to implement the CI process and integrated the tool with **Ant** and **Maven** to schedule the builds. Took the sole responsibility to maintain the **CI Jenkins server**.
* Working in DevOps group running **Jenkins** in a Docker container with EC2 slaves in **AWS** cloud configuration.
* Implementing continuous integration and deployment (**CI/CD**) systems using **AWS code pipeline, Jenkins, ANT, Maven, Nexus.**
* Developed build and Deployment scripts using Maven as build tool in Jenkins for environment transitions and pushing artifacts/dependencies jars into **Nexus** repository.
* Used the command line interface to manage apps, services in **cloud foundry** as well as Apps manager. Created, bind the user defined and built in services in **Pivotal cloud foundry (PCF).**  Build, Test and deploy applications by using **pivotal cloud foundry**
* Installing and configure **Jenkins** for Automating Deployments and providing a complete automation solution.
* Creating **Docker files** for various environment and worked on **Kubernetes environment**.
* Created reproducible builds of the Kubernetes applications, managed Kubernetes manifest files and Managed releases of **Helm packages.** Scheduled, deployed and managed Container replicas onto a node cluster using Kubernetes.
* Utilized **Kubernetes** and **Docker** for the runtime environment of the **CI/CD** system to build, test deploy.
* Creating **Docker images** for the entire application and moved it to the certain **GIT** repository.
* Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and**Kubernetes**.
* **Jenkins** pipeline used to drive all microservices builds out to the Docker registry and then deployed to **Kubernetes**, Created Pods and managed using **Kubernetes**.
* Automating the build and deployment processes by **continuous integration system**.
* Integrate systems using a wide variety of protocols like **REST, SOAP, MQ, TCP/IP, JSON**. utilized standard formats such as **XML, JSON, STIX** and work with **Extract Transform and Load (ETL)** as needed
* Create a cookbook for **ELK** and the agent to ship logs and clustered the **ELK** for Disaster recovery.
* Involved designing in web pages using JavaScript, React.js, Mongo DB. Implemented various screens for the front end using React.js and used various predefined components from NPM (Node Package Manager) and redux library. Worked in using React JS components. Implemented stable React components and stand-alone functions to be added to any future pages. Used React JS for templating for faster compilation and developing reusable components.
* Utilized React for its efficient data flow architecture to create a lightweight and render efficient web app that searched projects via the GitHub API through keywords. Used React-Router to turn application into Single Page Application.
* Functional/end-to-end testing, Integration testing using Anypoint Portal, SOAPUI and Postman and co-operated with UAT / Business team to make them satisfy.
* Create RAML specification file based on blueprint mapping document in Anypoint portal's API manager. Use API-Kit Router and CXF to build the initial flow structure from the RAML and WSDL. Create and follow MuleSoft API Error Handling and Logging Standards while building any API's.
* Design the folder structure for higher environments and driven to production., Thorough understanding of React.js and Redux.   Perform testing on JEST and Enzyme.   Created UI and calling Restful API’s in React Native.
* Responsible for installing/configuring/maintaining **Nagios** server monitoring software.

 **Environment:** AWS, GITLAB, Jenkins, Nexus, Chef, ELK, Shell, Linux (RHEL), Ansible, MariaDB, Git, Puppet, Nagios, Jira, VMWare, PowerShell, TFS, Apache, TOMCAT web services, EC2, S3, RDS, EBS, auto scaling, Bash, and Python, Unix/Linux, Windows, RHEL 4/5/6, CentOS

**Client: Portland General Electric, Portland, Oregon. Duration:** Jan 2017 – Feb 2018

**DevOps Cloud Engineer**

**Responsibilities:**

* Deployed **Azure** IaaS virtual machines (VMs) and **Cloud services** (**PaaS** role instances) into secure **VNet**s and **subnets**.
* Designed, configured and deployed **Microsoft Azure** for a multitude of applications utilizing the **AZURE** stack and focusing on **high-availability, fault tolerance, and auto-scaling.**
* Worked on **Azure** VPN-Point to Site, Virtual Networks, **Azure** Custom security, Endpoint Security, firewall and developed Web service using Windows Communication Foundation and to receive and process XML files and deploy on Cloud Service on **Microsoft Azure.**
* Developed **Azure** **OMS** Hybrid Automation PowerShell Runbooks to automate the creation of testing and QA environments using vSphere and setup **Azure** Virtual Appliances (VMs) to meet security requirements as software-based appliance functions.
* Used Azure **PowerShell (ASM and ARM)** to find out the servers provisioned via the **Azure portal** for auditing groups added in local administrator and the **OU** groups in which the server resides on the domain.
* Used the **terraform** providers for **Azure and Dockers** to automate the infrastructure.
* Deployment to **Azure** with **Ansible** and Terraform towards **Azure** and using **Terraform** for building, updating, and versioning infrastructure safely and efficiently, as well as creating custom in-house solutions.
* Integrated Jenkins with various DevOps tools such as **Nexus, SonarQube, Ansible and used CI/CD** system of Jenkins on Kubernetes container environment, utilizing **Kubernetes and Docker** for the runtime environment for the **CI/CD** system to build and test and deploy.
* Experience in creating Docker containers leveraging existing **Linux Containers** and **AMI's** in addition to creating Docker containers from scratch.
* Built monitoring and metric gathering system around **OpenShift** using **Sensu, Grafana and Prometheus**.
* Developed **Ansible playbooks** to do automated recovery process upon the failure of **OpenShift MASTER.**
* Designed a patch process and wrote ansible playbooks for patching **OpenShift-RHEL, atomic OS** and implemented a continuous back up process using Ansible to back up **ETCD** using ansible playbooks
* Used Ansible to deploy **ELK** for automating **continuous deployment (CD**) and **configured Nodes** and deployment failure reporting.
* Created Ansible with multiple modules as per component like, **Zookeepers, MySQL, Logstash**.
* Migrated pipelines builds from Bamboo to Jenkins and integrated them with **Stash and JIRA.**
* Used Ansible server to manage and configure nodes, Managed **Ansible Playbooks** with **Ansible roles.**
* Developed Perl and shell scripts for automation of the build and release process.
* Deployed and managed web services with **Tomcat** and **JBOSS**. Provided end-user straining for all **Tortoise SVN**, **JIRA** users to effectively use the tool.
* Responsible for monitoring instances by infrastructure management.
* Interacting with the developers from the application team for frequent updates. Experience in bug fixes to the code by interacting with application team.
* Responsible for sending daily report emails to project manager.

Environment: Jenkins, Docker, Kubernetes, JIRA, CI/CD, Azure, Puppet, Ansible, Bamboo, Git, Bit beanstalk, JBOSS, Terraform, Ruby, Python, Kafka, Selenium.

**Client: Live Wires PVT LTD, Hyderabad Duration:** Mar 2015 – Jan 2017

**Role: Build and Release Engineer**

**Responsibilities:**

* Worked as a Build/Release/Deployment/Operations (DevOps) Engineer with good understanding of the principals.
* Performed all necessary day-to-day **Subversion/GIT** support for different projects and Responsible for design and maintenance of the Subversion/GIT Repositories, views, and the **access control strategies**.
* Create and Maintain **nightly builds, hot-fix builds/branches, custom** and **private** builds.
* Handled Jira tickets for **SCM** support activities.
* Regular Build jobs are initiated using the CI (Continuous Integration) tool with **Jenkins.**
* Responsible for taking the source code and compiling using **ANT** and package it in its distributable format such as **JAR, WAR and EAR** and deploying them in the **WebSphere application server**.
* Perform deployments to multiple environments in **Testing, staging and production environments** and configure jobs for generating project artifacts.
* Experience in **Continuous Integration/Continuous Delivery (CI/CD) and Test-Driven Development** (TDD)
* **Monitoring** of applications, servers, doing capacity planning with the help of **Nagios** for managing logs to notify the incident management system upon reaching or exceeding the threshold limits
* Creating, Utilizing, Managing Policies and **Glacier storage in S3** buckets on AWS.
* Configured AWS **Identity and Access Management (IAM)** groups and users for improved login authentication.
* Created **EBS snapshots**, rebuilt new EBS volumes from snapshots to migrate applications, and storing these snapshots into **S3** buckets for backup.
* Coordinate release activities with **Project Management, QA, Release Management and Web Development** teams to ensure a smooth and trouble-free roll out of releases.

**Client: Yes Bank, Hyderabad, India Duration:** Feb 2014 – Mar 2015

**Role: Linux System Engineer**

**Responsibilities:**

* Installed, configured, troubleshoot, secured and supported **Red Hat, CentOS** and **Linux servers** and product servers.
* Coordinate developers with establishing and applying appropriate branching, merging Conventions using **GIT source control**.
* Responsible for **Continuous Integration** (CI) and **Continuous Delivery** (CD) process by used **Jenkins, Ansible, Puppet, and Chef.**
* Create custom logging, reporting, and analyse system applications, enable problem notifications, enhance hardware, database.
* Redesign and implement **Domain Name System (DNS)** infrastructure to reduce complexity, improve performance, simplify administration, and facilitate deployment automation.
* Troubleshoot various systems problems such as application related issues, network related issues, hardware related issues etc.
* Managed and administrated of all **UNIX** servers, includes Linux operating systems by applying relative patches and packages at regular maintenance periods using Red Hat Satellite server, **YUM, RPM** tools.
* **Hands on experience with Python, shell scripting, Groovy, etc**
* New Software Transition Relational Databases Project coordination Algorithm Complexity Analysis.
* Servers: Tomcat, Glassfish.
* **Experience in Core Java, development by applying different concepts like OOPS concepts, Collections, Strings, Exception handling, Multithreading, etc. and experience in Groovy and JavaScript.**
* Planned and performed the upgrades to **Linux (**RHEL 5x, 6x, SUSE10, 11, CENTOS 5, 6, operating systems and hardware maintenance like changing memory modules, replacing disk drives.
* Deployment and Configuration of application server Tomcat deploying **Java** and Web Application.
* Used Chef for managing server application server such as **Apache, MySQL**, and **Tomcat**.

**Environment:** Red Hat Linux 5.x, 6.x, CentOS, VMware vSphere 4.0, VMware ESX 3.5.0, GIT, Shell Scripting, MySQL, Tomcat, Unix

**Client:** **Mphasis, Hyderabad, India Duration**: August 2013 – Feb 2014

**Role:** **JAVA DEVELOPER**

**Responsibilities:**

• Involved in analysis and design of the application.
• Involved in system design and modelling using **UML** and **Rational Rose**.
• Involved in implementation of the framework using **MVC** architecture and following design patterns like **Data Objects, and Front Controller**.
• Involved in preparing the detailed design document for the project.
• Developed the application using **J2EE architecture**.
• Involved in developing **JSP** forms.
• Designed and developed web pages using **HTML and JSP**.
• Used **JDBC** for communicating with the database.
• Designed and developed Servlets to communicate between presentation and business layer.
• Developed **Session Beans** and **Entity beans** to business and data process.
• Developed the Servlets for processing the data on the server.

Environment: UML, Rational Rose, MVC architecture, J2EE, JSP, HTML, JDBC, Servlets.

**Education:**

* master’s in computer Engineering, University of Houston, Clearlake, Houston, TX.
* bachelor’s in Electronics and Communication Engineering, NEC, Guntur, India.