**Summary:**

* Eight years of experience in Designing, developing and Automating Infrastructure both On-premise and cloud, Configuration Management, Build/Release Management, Continuous Integration/Deployment, Linux/Unix System Administration.
* Experienced in working with Software Development Life Cycle, deliverables and methodologies. Actively participated in Requirement Gathering, Architectural Design, Implementation and Testing. Worked in different Software development methodologies such as Agile, Waterfall and Kanban.
* Expertise in Cloud Platform such as Amazon Web Services (AWS) and its services such as EC2, S3, Lambda, VPC, RDS, DynamoDB, EBS, Elastic Load Balancer, Glacier, Auto-Scaling, Identity Access Management, CloudWatch, etc., through AWS Console Management and AWS Command Line Interface.
* Hand-on-experience with working on the Apache/Cloudera Hadoop components such as NiFi, Spark, Sqoop, Kafka, etc.,
* Monitored performance alert management of applications using tools such as Splunk, Cloud Watch, Kibana, Grafana, Prometheus and other manager tools.
* Worked in creating Pods, Namespaces, Service, Deployments, Daemon sets of microservices in Kubernetes using YAML Manifests, HELM charts etc., and integrated with Jenkins to drive all the microservices releases through the pipelines.
* Experience in shell scripts, Bash, Ruby, Python, and PowerShell and Linux Commands.
* Used build automation tools such as Gradle, Maven for application that are developed based on Java, C#, Spring, .Net applications.
* Expertise in automated build & release CI/CD process using Gitlab, Jenkins, Chef and Ansible on hybrid IT infrastructure.

**TECHNICAL SKILLS**

|  |  |
| --- | --- |
| **Automation/Configuration Management Tools** | Ansible, Chef, Puppet, Terraform |
| **CI/CD Build Tools** | Jenkins, Maven, RunDeck |
| **Containerization Tools** | Docker, Kubernetes |
| **Version Control Tools** | GitLab, BitBucket, SVN |
| **Cloud Technologies** | AWS, OpenShift |
| **Logging & Monitoring Tools** | Nagios, Splunk, ELK,CloudWatch, Grafana, Kibana, Prometheus |
| **Scripting Languages** | Python, Bash/Shell, PowerShell, YAML,Ruby |
| **Databases** | MySQL, NoSQL, RDS, MongoDB, DynamoDB, Cassandra, Oracle |
| **Application/Web Servers** | Apache Tomcat, WebSphere, JBoss, Web Logic. |
| **Virtualization Tools** | VMware, Virtual box, Vagrant. |
| **Operating Systems** | Linux (RedHat, CentOS, Ubuntu, Solaris), Windows, MacOS. |
| **Repositories** | Sonar type, Nexus, JFrog Artifactory. |

**Work Experience:**

**Amex, Phoenix, AZ October 2022- Present  
Role: DevOps Engineer**

**Responsibilities**:

* Used Ansible and Ansible Tower as Configuration Management tool to automate the repetitive tasks, quickly deploy critical applications, proactively manage changes and to document all infrastructure into version control.
* Setup Ansible Playbooks for the automation that was defined through tasks using YAML format and to deploy microservices.
* Developed and maintained Ansible Playbooks to provision AWS cloud infrastructure ensuring scalability, high availability and security for various applications and services.
* Strategized the GIT branches as per the needs of the release frequency by implementing GIT flow workflow and CI/CD pipelines using Jenkins, Ansible, GitLab CI/CD and AWS CodePipeline.
* Used Maven as build tools on Java projects for development of build artifacts on the source code.
* Reduced manual efforts and minimized downtime by automating the operational task, backups and patch management using Ansible and AWS Lambda functions.

**AT&T, Dallas, TX June 2021- September 2022  
Role: DevOps Engineer**

**Responsibilities**:

* Worked with multiple development and test teams to provide process design, management, and support for source code control, code compilation, change management, and production release management.
* Implemented infrastructure automation through Ansible and AWS CloudFormation for auto provisioning, code deployments, software installations and configuration updates.
* Designed and implemented scalable, secure cloud architecture based on AWS such as EC2, auto-scaling, VPC (Virtual Private Cloud) to build, secure, highly scalable and flexible systems that handled expected and unexpected load bursts and are able to quickly evolve during development iterations.
* Containerized the infrastructure using Docker and collaborated with development support teams to setup test environments in embedding a continuous delivery environment.
* Ensured to implement security best practices on AWS, including Identity and Access Management (IAM), security groups and network security configurations.
* Used Jenkins along with Shell Scripts to automate routine jobs to implement the Continuous Integration (CI) and Continuous Delivery (CD) process.

**Mastercard,** **Purchase, NY Nov 2020- May2021  
Role: DevOps Engineer**

**Responsibilities**:

* Design, Deploy and manage a Continuous Integration System which includes automated testing and automated notification of results using technologies like Ansible, Cloud formation, Docker.
* Setup and build AWS infrastructure various components VPC, EC2, IAM, ELB, Security Group, Auto Scaling, and RDS in Cloud Formation JSON templates using Terraform.
* Developing and maintaining applications written for Amazon Simple Storage Service, Amazon EC2, Amazon Simple Queue Service, Amazon Simple Notification Service, AWS CloudFormation.
* Developed and managed Ansible playbooks with Ansible roles. Created inventory in Ansible for automating the continuous deployment.
* Created documents on build process and flow, user guide and build script maintenance for developers for local builds in Confluence.
* Monitored the functioning of DEV/TEST/STG/PROD environments of the application for any downtown issues by performing regular CRON job updated in servers.
* Worked on LDAP Configurations in creating groups, roles and policies. Assigned users to Groups and Roles.
* Collaborated with development teams by building, maintaining, and scaling infrastructure to support user-based applications.

**HealthPartners, Minneapolis MN July 2018-October 2020**

**Role: DevOps Engineer**

**Responsibilities**:

* Automated Infrastructure provisioning by configuring Cookbooks and Playbooks to deploy on to the Red Hat Linux servers by integrating Jenkins, GitHub, Ansible Tower, JFrog Artifactory.
* Built a playbook to create/delete a Virtual Machine from a default image that has been deployed to JFrog Artifactory using Jenkins, Ansible Tower and Gitlab to store the source code.
* Configured and maintained cookbooks that install MQ and deploy ESB on to the Red Hat Linux with HealthPartners defaults.
* Developed Inspec Profiles that address both security and compliance by testing your infrastructure in a repeatable fashion.
* Virtualized the servers using Vagrant for the test-environment (Test Kitchen) for the Chef Recipes.
* Streamlined and coordinated Configuration, Build, Release, Deployment, Process, Environment management across all the environments using Jenkins and GitLab.
* Automated the deployment of Apache/Cloudera Cluster using Ansible (Tower) Configuration management.
* Used Ansible Tower for managing complex network deployments by adding control, knowledge and delegation to Ansible powered environments.
* Automated the process of developing Kubernetes clusters with Ansible Playbooks and used those clusters for running microservices and pushed them into production with Kubernetes backend Infrastructure.
* Worked on creating a secured Cluster environment by configuring the playbooks that deploy Kerberos, LDAP Authentication and SSL.
* Automated the process of creating Java KeyStore and Server certificates for successfully enabling SSL on the servers to create a secure the Data.
* Developed Ansible Playbooks for the rotation of SSH Keys among the cluster servers, enabling certain Firewall ports, Configuring databases, etc.,
* Developed and maintained Data Pipelines jobs for Extraction, Transformation and loading (ETL/ELT) of data from a wide variety of data sources into Hadoop database using Ansible (Tower), Jenkins and GitHub.

**EyeVerify, Kansas City, Kansas January 2017-June 2018**

**Role: DevOps/ AWS Engineer**

**Responsibilities**:

* Worked on Amazon Web Services (AWS) cloud platform and its services like EC2, S3, RDS, Amazon Elastic Load Balancing, Lambda, VPC, VPN, DynamoDB, Elastic Load Balancer, SNS, Glacier, Auto-Scaling, IAM, Route53, AMI, Security-Groups, CloudFront, CloudWatch and CloudFormation through AWS management console and other services of AWS Infrastructure.
* Automated provisioning of Cloud Infrastructure with Chef. Built Linux AWS EC2 instances by creating Chef nodes through Open-Source Chef-Server.
* Used CloudFront to deliver content from AWS edge locations to users, allowing for further reduction of load on front-end servers.
* Implemented AWS Code Pipeline and created Cloud Formation JSON templates in Terraform for Infrastructure as Code.
* Worked with IAM to create new IAM Users, Groups, Roles, Policies and Identity Providers.
* Built and managed S3 buckets and its policies and Glacier for Storage and backup on AWS.
* Improved application security by shifting the admin consoles on different docker containers accessible only from unusual port numbers.
* Deployed and maintained multi-container applications through Docker by creating custom images.
* Worked on Chef Attributes, Chef templates, Chef recipes, Chef files for managing the configurations across various nodes using RUBY.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using Git.
* Branching, Merging, Release Activities on Version Control Tool GIT. Used GitHub as version control to store source code and implemented Git for branching and merging operations for Source Code.
* Worked with Agile Methodologies and SCRUM Process to deliver an end-to-end continuous integration and continues deployment.
* Communicate release status to all stakeholders and 24/7 provided support in all major/minor deployments, documented every deployment issue for other team members.

**IBM Hyderabad, India July 2015 – September 2016**

**Role: Build and Release Engineer**

**Responsibilities**:

* Deployed the built artifacts into PROD, DEV and QA Environments from JFrog Artifactory.
* Used MAVEN as the build framework tool to automate the build process for Continuous Integration (CI).
* Worked with Installation, maintaining (Upgrading, Patching) Configuring and Administering Red Hat Enterprise Linux (RHEL).
* Created Linux Virtual Machines using VMware Virtual Center (ESXI), hypervisor-v, PHP Virtual Box.
* Worked on LDAP Configuration. Managed Users, User groups, roles and policies.
* Developed many Unix and Shell Scripts to automate the process of daily monitoring, build and deployment activities.
* Involved in refactoring Maven scripts to build the JAR's, Class files, WAR files and EAR files as per the requirement changes.
* Experience in Branching, Merging, Tagging and maintaining the version across the environments using SCM tools like BitBucket and SVM.
* Installed, Configured and Managed Monitoring tools like Splunk, Nagios for Log Trace Monitoring.
* Managed Apache Tomcat servers for application deployment by working on its configuration and troubleshooting
* Documented the entire process of release and build engineering in Confluence.
* Participated in performance tuning, troubleshooting of complex issues in Production environment.