Sandhya

**DevOps Automation Engineer**

● Build & Release Engineer ●Software Configuration Management

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**PROFESSIONAL SUMMARY**

* 10 years of experience in Information Technology with major focus on Designing Build Process, Software Configuration, Build/Release Management and DevOps/ CICD
* Proficient in cloud-based technologies such as Amazon Web Services (AWS) and Microsoft Azure.
* Hands on experience in build and release management using Maven, Git and Jenkins.
* Strong Experience in automated build platforms/continuous integration using DevOps architecture.
* Have good hands-on experience in version control system like GIT, GitHub, Gitlab and Subversion.
* Expertise on installation and configuration of continuous integration tool Jenkins and Implemented master & slave concept in Jenkins.
* Proficient with container systems like Docker and container orchestration tool Kubernetes
* Experienced in optimizing automation scripts as per the requirement using Shell scripting, PowerShell scripting.
* Strong knowledge of configuration management tools such as Ansible and infrastructure as code tool Terraform.
* Experienced in setting up CICD pipelines using groovy scripting.
* Extensive experience in using Build Automation tools like, ANT, Maven & MS build.
* Experience in Configuring and Monitoring the Application/Servers using Nagios.
* Strong communication and collaboration skills.
* Experienced using different log monitoring tools like Splunk, ELK (Elasticsearch, Logstash, Kibana) for to see logs information, monitor, get the health & security notifications from nodes.
* Created custom policies using IAM (Identity Access Management) for AWS Cloud resources and Groups and maintained IAM roles and User credentials
* Deployment of Cloud service including Jenkins and Nexus on Docker using Terraform.
* Building/Maintaining Docker container clusters managed by Kubernetes also Used Kubernetes to orchestrate the deployment, scaling and management of Docker Containers.
* Experienced with principles and best practices of Software Configuration Management (SCM) in Agile, scrum, and Waterfall methodologies

**Technical Skills**

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| --- | --- |
| Cloud Technologies | AWS (EC2, Cloud Watch, Auto Scaling), Azure |
| Configuration Management | Ansible, Terraform |
| Continuous Integration Tool | Jenkins |
| Artifact Management Tools | Jfrog Artifactory |
| Scripting languages | Shell Scripting, Groovy, PowerShell Scripting |
| Version Control Systems | SVN, GIT, GitHub, Gitlab |
| Operating Systems | Linux and Windows |
| Application Server | Apache Tomcat |
| System Monitoring Tools | Nagios, Prometheus & Grafana |
| Container | Docker |

**Health Grades Jul-2021 to Till Now**

**Role: DevOps Engineer**

**Responsibilities:**

**Roles & Responsibilities**

* Responsible for creating pipeline jobs for new projects.
* Writing terraform scripts to manage aws infrastructure.
* Support development teams to resolve pipeline issues.
* Manage users in Jenkins and other tools.
* Maintaining Jenkins and writing scripts to automatically start the Jenkins agent on logon.
* Worked on Bit Bucket like creating different branches such as develop, release, and feature branches.
* Experience in Jenkins to automate most of the build related tasks. Expertise in staging and creating CI/CD pipelines and Merge changes through SDLC pipeline Jenkins and Continuous Integration.
* Used Terraforms to launch EC2 instances by writing a configuration file and destroy them if not required.
* Deploying code to pre-production environment and running the smoke and functional tests.
* Involved in release activities and build promotional activities.
* Used the JIRA, Confluence for bug tracking, creating the dashboard for issues.
* Collaborate with Engineers, Operations and other teams to ensure application, network and system monitoring best practices.
* Create and maintain documentation for DevOps processes and procedures.
* Helped in day to day troubleshooting of services to formulate new ways to proactively catch problems.
* On call support to resolve Devops issues.

**Environment**: Bitbucket, Jenkins, Terraform, AWS

**Adecco India Pvt Ltd Jan-2020 to Jun-2021**

**Role: DevOps Engineer**

**Roles & Responsibilities**

* Responsible for creating freestyle as well as scripted pipeline jobs using bash and PowerShell script.
* Creating fully automated build pipelines in Azure Devops.
* Maintain and automate infrastructure using Ansible and Terraform.
* Documented Software Release Management Process.
* Maintaining Jenkins and writing scripts to automatically start the Jenkins agent on logon.
* Migration of jobs from Jenkins to Azure Devops Services.
* Automation scripts written in PowerShell for smooth flow of CICD pipeline.
* Deploying code to pre-production environment and running the smoke and functional tests.
* Setting up new CICD pipelines as per the requirement.
* Design and implement monitoring and alerting solutions using Nagios.
* Automated setting up server infrastructure for the DevOps services, using Ansible, shell and python scripts.
* Involved in release activities and build promotional activities.

**Environment**: Azure Git, Azure Devops Pipeline, Jfrog Artifactory, Coverity, Tics

**Tata Elxsi Pvt Ltd July 2018 to Jan 2020**

**Role: DevOps Engineer**

**Roles & Responsibilities**

* Responsible for creating freestyle as well as scripted pipeline jobs using Groovy script.
* Creating fully automated CI/CD/CT build infrastructure and processes for multiple builds (Maven, NodeJs).
* Automating build and deployment of Docker images to respective environments.
* Managed Clusters using Kubernetes and worked on creating many pods, replication controllers,
* Automated deployments and created build sequence using Shell scripting.
* Created AWS EC2 instance for different platforms and creating security groups, auto-scaling, load balancers (ELBs) in the defined virtual private connection.
* Generated CI/CD reports using Python script and send the same as email notification to team.
* Using Anisble for IaaC, in configuring multiple infrastructures.
* Maintained and developed Docker images for a tech stack including Cassandra, Kafka, Apache, and several in house written Java services running in open stack on Kubernetes.
* Experience in using Kubernetes to orchestrate the deployment, scaling and management of Docker containers.
* Developed and implemented Software Release Management strategies according to the agile process.
* Monitored Infrastructure using Nagios.
* Experience in working with monitoring tools like Nagios to trigger the event handlers to send a notification and act according to the script.

**Environment**: Gitlab, GitHub, Jenkins, Sonarqube, Teamcity, Docker, Helm, Kubernetes, Ansible

**IBM India Pvt Ltd Jan 2017 to July 2018**

**Role: Build Engineer**

**Roles & Responsibilities**

* Performed Administration tasks of GIT for source code repositories Management.
* Proposed industry best branching strategies and created branches to implement parallel development in a fast-paced agile environment.
* Experience with automation on Linux/Unix servers using shell scripting
* Created Maven/ANT Scripts to automate the build process for the new projects.
* Identify and coordinate deployment of appropriate modules to various test environments and production environments.
* Used simple storage services (S3) for snapshot and Configured S3 lifecycle of Application logs, including deleting old logs, archiving logs based on retention policy of Apps.
* Automated configuration and Deployment Management process using Ansible to existing Infrastructure.
* Configured and maintained Jenkins to implement the CI process and integrated the tool with Ant and Maven to schedule the builds.
* Build and release EC2 instances of Amazon Linux, Redhat and Windows for POC environment.
* Experience working on several Docker components like Docker Engine, Hub, Machine, creating Docker images, Compose, Docker Registry and handling multiple images primarily for middleware installations and domain configurations.
* Monitored and worked on alerts send by Nagios on various issues related to server availability, disk issues, CPU, memory, processes, etc.
* Documented the entire build and release engineering process and provided on call support.

**Environment**: Git, GitHub, Maven, Sonarqube, Jenkins, Docker, RTC, Nagios

**IBM India Pvt Ltd May 2014 to Dec 2016**

**Role: Build Engineer**

**Roles & Responsibilities**

* Administered the Tortoise Subversion and managed the Access for users to access the subversion repositories.
* Created User IDs Authorizing access within Version Control Systems.
* Performed Backing up of SCM Repositories.
* Managed Branching, Tagging, Release Activities on Version Control Tool SVN.
* Coordinated with respective team for problems with version control system and its Integration with Build System.
* Coordinated among teams to schedule release in the order of dependencies etc.
* Worked with developers on the ANT/MAVEN build issues (Build Failures)
* Automate Continuous Build and Deploy Jenkins Continuous Integration tool.
* Developed and implemented Software Release Management strategies for various applications according to the agile process.
* Automate and monitor daily project development builds by using build tool Jenkins.

**Environment:** Svn, Ant, Jenkins, RCQ, RTC, TWS