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DevOps Engineer

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# **PROFESSIONAL SUMMARY**



Having an experience of 4 years as software configuration management which includes source code management, build infrastructure setup, continuous integration and continuous deployment, amazon web services as a DevOps Engineer for different application releases and distributed environments for agile development projects

* Experience on Installation of tools like GitHub, Jenkins, Maven, SonarQube, Nexus, Ansible, Docker and Tomcat in Linux environment.
* Implemented multiple CI/CD pipelines as a part of DevOps role for on-premises and cloud-based software using Jenkins, Ansible, AWS, Azure DevOps, Docker and Kubernetes
* Experience in Administration of source control management systems, such as GitHub.
* Expertise in GitHub Branching strategy.
* Extensively worked on Jenkins for continuous integration and for End-to-End automation for all build and deployments.
* Experience in Jenkins administrative part like, Jenkins Backup and Jenkins Security.
* Good experience writing Jenkins Pipeline Script for CI/CD process.
* Extensive experience using Maven as build tool for the building of deployable artifact (jar, war & ear) from the source code.
* Debugging issues if there is any failure in broken Jenkins’s build and maintaining Jenkins’s build pipeline.
* Creating new Build jobs, Plugin’s installation and management, setting up Master/slaves using Jenkins.
* Good Experience in writing shell scripts to automate the several activities.
* Expert in deploying the code in various servers like Apache Tomcat.
* Good experience in containerizing applications with Docker.
* Good work experience in CI/CD Pipeline work flow of Docker.
* Extensive experience for writing Docker Compose File for Microservices Architecture.
* Hands on experience in Container Orchestration or Management tools like Docker swarm and Kubernetes.
* Experienced in setting up the Kubernetes cluster setup on premise data center using Kub spray.
* Strong experience in working with Kubernetes API Primitives.
* Amazon Web Services (knowledge in AWS services like EC2, S3, VPC, ELB, AMI, Route 53, Auto scaling, Cloud Watch, Cloud Front).
* Launching AmazonEC2 Cloud Instances using Amazon Web Services (Ubuntu/RHEL) and configuring launched instances with respect to specific applications.
* Having experience on code review tools like SonarQube.
* Good working Knowledge with Agile Product Development methodology.
* Primary responsibilities include Build and Deployment of the java applications onto different Environments like Dev, QA, pre-Prod, UAT and Prod.
* Learning and adapting new technologies, tools and a good team player working with project Managers, Team Leads, Developers, and Testers.

# **PROFESSIONAL EXPERIENCE**



**DevOps Engineer April** 2018 to till date

**SKY LAB INFOTECH PVT.LTD. Bangalore**

# **TECHNICAL SKILLS**







# **PROJECT DETAILS**



**Client: TOYS “R” US** May 2020 to till date

**RESPONSIBILITIES:**

* Jenkins continuous integration server installation and configuration for all GitHub Repositories.
* Developed Jenkins pipelines to trigger on GITHUB pull requests for application build and deploy using tools like maven, Docker and Ansible.
* Launched AWS EC2 instances using Amazon Web Services such as Linux, Ubuntu, and RHEL for Development, Test and Production Environments and set up AWS security groups which behaves as Virtual firewalls controlling the traffic by allowing it to reach one or more AWS EC2 instances.
* Managed the Version Control System GIT to record the various code changes like branching, merging, staging etc. Integrated GIT into Continuous Integration Environment using Jenkins.
* Extensively worked on Jenkins for continuous integration and for End-to-End automation for all build and deployments.
* Worked on Docker-Compose to create Docker containers for Testing applications in the QA environment and automated the deployments, scaling and management of containerized applications.
* Automated configuration management and deployments using Ansible playbooks and YAML for resource declaration. Created roles and updated Playbooks to provision servers by using Ansible.
* Experience in deployment of applications on Apache Web server and Application Servers like Tomcat.
* Pushing Code from Git to Nexus repository to make available for release through Jenkins.
* Good at documenting and implementing procedures related to build, deployment and release.
* Involved in the installation and configuration of Nginx as a web server
* Launching AmazonEC2 Cloud Instances using Amazon Web Services and Configuring launched
* Created several AMI’s for setting up a group of servers with the same configuration and packages.
* Creating backups on regular basis by using snapshots

**Client: Barnes &Noble**  July 2018 to April 2020

**RESPONSIBILITIES:**

* Jenkins continuous integration server installation and configuration for all GitHub Repositories.
* Automating the Build process using GitHub and Maven.
* Used Maven for building the artifacts and also administered the Maven Build scripts.
* Configured GitHub with Jenkins and scheduled jobs using Poll SCM option.
* Automated application packaging and deployments.
* Automated the Build Process using Jenkins and handled complete Build and Release process including code, documentation and supporting testing team along with the server Administration.
* Established coding standards and enforced them through automated tools.
* Uploading the artifacts in Nexus repository.
* Manual installation and configuration of Apache Tomcat Application Servers.
* Configuring the Docker containers and creating Docker file for different environments.
* Experience working with Docker containers, created and managed a Docker deployment pipeline for custom application images in the cloud using Jenkins.
* Extensive experience with containerization and related technologies like Docker and Kubernetes.
* Used Docker, Kubernetes to manage micro services for development of continuous integration and continuous delivery.
* Used Ansible as Configuration management tool to automate repetitive task.
* Used Ansible to setting up the Kubernetes cluster and upgrading the cluster.
* Educated team about continuous integration and automated testing practices and supported them throughout development.
* Configured Jenkins to implement nightly builds on daily basis and generated change log that includes changes happened from last 24 hours.
* Application/Web Server Log files analysis to troubleshoot application problems on application and web server side.
* Analyze and resolve conflicts related to merging of source code for GitHub.
* Setting up and building AWS infrastructure resources such as VPC, EC2, S3, IAM, EBS, Elastic Search, Security Group, Auto Scaling, Lambda and RDS in Cloud Formation and involved in deploying the content to Cloud platform on AWS using EC2, S3, EBS.
* Deploying war and ear Applications for development.
* Troubleshoot Deployment issues in the Dev, QA and UAT environments.
* Automating build process used for Java, Middleware applications using tools / automation framework like Jenkins.
* Designed and Implemented Continuous Integration process using tools like Jenkins.
* Monitor builds and provide proactive support to resolve any build issues.
* Configured Git to inform all the teams about the latest changes happening on it to avoid conflicts due to the push before pull issue.
* Responsible for the set up and ongoing builds in Jenkins.
* Installing Plugins in Jenkins as per project requirements.
* Configured job and pipelines using Jenkins.
* Monitoring the application-level metrics like memory related issues and disk utilizations and also monitoring the database level metrics.
* Handling the database related activities like user creation, providing the permissions to the users as per the requirement.
* Taking the database dumps and restoring in different environments for testing in an automated way.
* MySQL Replication activities like Master-Slave, Master-Master, Master and Multiple Slaves.
* Refreshing test database environments on regular basis using database duplication.
* Monitoring the application-level metrics and resolving the issues.
* Maintained and scheduled Autosys jobs for database backups.
* Maintained the application support documentations and solution documentations to the highest quality and accuracy.
* Created and distributed of knowledge and information with other team members.
* Identified where documents need to be created about the application and help to put them together.

# **EDUCATION**



BTech JNTU Anantapur 2017.

B **Chandra.**