**Laxman kumar Kalwa**

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**PROFESSIONAL EXPERIENCE:**

* A competent DevOps/AWS Engineer with 4 years of hands-on experience in automating and optimizing mission critical deployments over infrastructure.
* Responsible for implementation of branching methodologies.
* Creating branches, tags and maintaining source code in administration level.
* Extensively worked with Version Control System **GIT**.
* Hands of experience in build tool **MAVEN.**
* Having good implementation Knowledge on Continuous integration tools **JENKINS**.
* Experience in creating **master-slave** setup for Jenkins.
* Implemented **multi-branch** pipelines for working on multiple functionalities parallely.
* Experience in writing Jenkins pipeline script using **Groovy-DSL**
* Good exposure in Administering Jenkins and secured Jenkins with role based access controls.
* Excellent knowledge in creating environment setup using **DOCKER.**
* Experience in creating development, testing, production environments using **docker compose**.
* Having good knowledge on creating customized docker images based on organization requirements using **Dockerfile**.
* Hands-on experience on performing container orchestration through **docker swarm**.
* Managed **Docker orchestration and Docker containerization** using **Kubernetes.**
* Used **Kubernetes**to orchestrate the deployment, scaling and management of Docker Containers.
* Strong knowledge in remote management of servers using **Configuration management** tool **ANSIBLE.**
* Experienced in creating playbooks and roles for configuring applications like Tomcat, mysql..etc.
* Experience in **AWS** services like VPC, EC2, S3, ELB, Auto Scaling Groups (ASG), EBS, RDS, IAM and Route 53.
* Experience in creating and configuring **AWS EC2** instance and attaching it to **VPC**.
* Hands on experience in creating and configuring **S3** bucket and attaching to  **EC2 instance.**
* Hands on experience in setting up **AutoScaling Groups** for EC2
* Good exposure on IAAC tool **Terraform.**
* Assist team members in build deployment receiving and running builds and troubleshooting issues to improve efficiency.
* Monitored the automated build and continuous integration process to ensure correct build execution, and facilitate resolution of build/ release failures.
* We follow **Agile** methodology and have daily scrum calls to update our daily status, and implemented devops practices in Agile scrum environment.
* Responsible for deploying customized software deliverables to the various environments like Dev/UAT system.
* Experience on ticketing tools Like Jira.

**TECHNICAL SKILL SET:**

Version Control Tool : Git, Github

CI Tool : Jenkins

Build Tool : Maven

Operating System : Windows, Linux

Web Servers : Apache Tomcat

Cloud services : AWS

Containerization Tool : Docker, Kubernetes

CM Tool : Ansible

IAAC Tool : Terraform

**QUALIFICATION:**

Completed **M.Tech** from Vivekananda institute of engineering and technology affiliated to **JNTUH** university in 2017

**EXPERIENCE:**

|  |  |  |
| --- | --- | --- |
| **Organization** | **Role** | **Duration** |
| SLK Software Services Pvt. Ltd | DevOps engineer | 2018- Till Date |
| Tata Consultancy services | Asst Software Engineer | 2017-2018 |

**PROJECTS HANDLED:**

**PROJECT2 (slk software)**

**Project Name** :e-governance  
**Environment** : Java

**Application Servers**  : Tomcat

**Devops Tools**  : GIT, Jenkins, maven, Docker, Ansible, kubernetes.

**Continuous Code Quality** :SonarQube

**Role** : DevOps Engineer

**Duration:** July 2018 to till now.

**Roles and Responsibilities:**

* We follow agile methodology and have daily scrum calls to update our daily status.
* Launching Amazon EC2 Cloud Instances utilizing Amazon Web Services (Linux/Ubuntu) and Configuring propelled examples as for particular applications.
* Manage network security using Load balancer, Auto scaling, Security groups Extensively focused on managing existing applications and increasing scalability with AWS Load Balancing (ELB)
* Configuring and Networking of Virtual Private Cloud (VPC)
* Creating S3 bucket and furthermore overseeing strategies for an S3 bucket and Utilized S3bucket and Glacier for storage and backup on AWS.
* Responsible for implementation of branching methodologies.
* Managing the source code control system.
* Created **Jenkins** CICD pipelines for continuous build & deployment and integrated  **SonarQube** plugins in Jenkins for automated testing and for Code quality check.
* Wrote Jenkinsfile in declarative pipeline script in **Groovy-DSL** method.
* Involved in development of test environment on Docker containers and configuring the Docker containers using Kubernetes.
* Utilized **Kubernetes**for the runtime environment of the **CI/CD**system to build, test deploy.
* Proposed and implemented new work-flow and automation for better and faster code deployments with less manual changes requirement for every deployment using Ansible .
* Communicate releases related activities to all the teams and take their feedback to improve the process.
* Performing with project teams to identify apt build schedule and initiate packaging and build process.
* Deployed JAVA/J2EE applications through Tomcat Application servers.
* Developing an automated, continuous, build process that reviews the source code, identifies build errors and notifies appropriate parties to expedite/facilitate synchronization to the latest build.
* Correct build errors working with development engineers.
* Respond constantly to automated test and build issues.

**PROJECT1 (TCS)**

**Project Name** : Toronto-Dominion Bank (TD) Group

**Environment** : Java

**Application Server** : Tomcat

**Versioning Control Tools** : GIT

**Build Tool** : MAVEN

**CI Tool** : JENKINS

**Role** : Devops Engineer

**Duration:** February 2017 to May 2018.

**Roles and Responsibilities:**

* Creating branches and tags and maintaining source code in administration level.
* Creating new repositories and branches in existing repositories as per the requirement of the dev team.
* Implemented Continuous Integration using Jenkins and GIT.
* Installed maven and integrated it with Jenkins.
* Performed CI-CD activity using JENKINS free-style project.
* Performing pre build activities & post build activities by coordinating with development teams.
* Enable the required plug-ins in Jenkins.
* Doing the force builds, Schedule the builds.
* Following SCRUM (SDLC) model.
* Configured **tomcat** server and defined user credentials in tomcat-users.xml file.
* Automate to send email notifications to all team members if in case of any build failures.
* Configured and integrated **Sonarqube** with Jenkins for code quality analysis.
* Configured and integrated **Sonatype Nexux** with Jenkins for storing different versions of artefact.
* Support developers by deploying application into Develop, test and production servers.
* Installed and configured Apache/Tomcat web server.
* Configured remote servers using CM tool Ansible with the use of ansible playbooks.