# Devops Engineer

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**Objective:**

To secure a challenging position where I can effectively contribute my skills & expand my knowledge for the dynamic growth of organization. Well versed in software production, development life-cycle and release of software products. Looking for a responsible position as a **Devops Engineer**

# Summary:

IT Professional with 5.1years of Experience in Software Development Skilled at Operating in a wide range of Platforms like **DevOps**, **AWS** Having experience in DevOps/AWS Software Configuration Management which includes Build Automation, **Continuous Integration**, **Continuous Deployment**, and Continuous monitoring using Automation Tools.

# Professional Summary:

* Expertise in DevOps, Configuration Management, Cloud Infrastructure, Automation it includes

# Amazon Web Service (AWS), Ansible, Jenkins, Git, Maven, Docker, Kubernetes etc.

* Used Ansible and writing Playbooks to deploy web applications, application servers and vendor applications.
* Installed and maintained the GIT repositories.
* Trained development teams on GIT usage and best practices.
* Administering Jenkins and secured Jenkins with role-based access controls.
* Involved in Installing Jenkins on a Linux machine and created a master and slave configuration to implement multiple parallel builds through a build farm.
* Excellent skills in applying Continuous Integration, Continuous Deployment and Continuous Delivery processes & tools [ Example: Git, Ansible, Maven, Jenkins.] ● Good working knowledge in **CI & CD** and building a pipeline using **Jenkins.** ● Have hands-on knowledge with **Ansible** and writing **Playbooks**.
* Excellent working knowledge on virtual system like. **Docker, Kubernetes**
* Experience in configuring and updating the servers using configuration management tools like

**Ansible,** and Experience in Containerization tool like **Docker.**

* Good understanding in **ECS** (EC2 Container Service) for cluster management.
* Good knowledge in **Auto**-**scaling** and load balancing concepts.
* Have knowledge in setup and configuring Monitoring tool.
* Have knowledge in Log Monitoring tools like Elastic Stalk.
* Experience in **Branching, Tagging** and **Maintaining** the version across the environments working on Software Configuration Management **GIT**.
* Excellent analytical, coordination, and communication skills.

# Educational Qualifications:

Completed **B-Tech (E.E.E)** from **JNTU A University**. **Professional Experience:**

|  |  |
| --- | --- |
| Version Control Tools | **Git, GitHub** |
| Build Tools | **Maven** |
| Continuous Integration/Continuous Delivery | **Jenkins** |
| Code Quality Checkup | **Sonarqube** |
| Containerization Tool | **Docker** |
| Orchestration Containerization tool | **Kubernetes** |
| Configuration Management | **Ansible**, **Terraform** |
| Artifactory | **Jfrog** |
| Scripting Languages | **Groovy** |
| Cloud Technologies | **Amazon Web Services, Azure** |
| Monitoring | **Dynatrace** |

Working as a Associate Consultant for **TECH MAHINDRA PRIVATE LIMITED** from **Apr-2016 to Mar- 2019.**

Working as a Consultant for **Tata Consultancy Services** from **Apr-2019 to Till date**.

# PROJECTS:

**Company : TCS**

**Duration : May-2019** to till date

**Role : Devops** Consultant

**Client :** Citibank

# Roles and Responsibilities:

* Driving industry best practice implementation around **CI/CD** and infrastructure management.
* Deployed and Managed **Kubernetes Clusters** and Nodes using Ansible playbooks.
* Deployed **Kubernetes** Deployment**s** like Pods and Services and Secrets and Configmaps.
* Configured **Kubernetes** Services and integrated with other micro services.
* Responsible for creating and developing the build process environment.
* Hands on experience in **Amazon Web Services** (AWS) provisioning and good knowledge of AWS services **like EC2, Elastic Load-balancers, S3, RDS, Route53, IAM, Elastic Search**.
* Defined **AWS** Security Groups which acted as virtual firewalls that controlled the traffic allowed reaching one or more AWS EC2 instances.
* Hands-on in writing the **Docker files** for building images.
* Containerizing applications with **Kubernetes**.
* Responsible for managing the **Docker private registry**.
* Developing build and deployment pipelines using **Jenkins**, **Maven** for Java applications
* Strong working knowledge on **GIT**.
* Experience in build management and continuous integration tools. (Jenkins)

# PROJECTS:

**Company : Tech Mahindra**

**Duration : Aprl-2017** to **Feb 2019**

**Role : Build & Release Engineer**

**Client : Aviva UK life Insurance ROLES AND RESPONSIBLITIES**

* Supporting engineering plans and schedules by providing CM/Release Engineering services to build,

deploy, develop scripts, oversee branch and merge strategies, and build automated tools as necessary to offer services to engineering team.

* Responsible for the support, coordination, planning, delivery, maintenance, and accessibility of IIS and Web Services platforms.
* Configuring Hudson for developers to bounce the application container, to get the application, container, and access logs by using ANT scripts.
* Used the continuous integration tool Hudson to automate the daily processes.
* Provide support for Subversion related issues.
* Creating Branches and Tags
* Integrating development branches
* As a build engineer, worked towards automating build process by writing batch scripts ●

Developing the utility scripts to effectively reduce the time and manual effort.

* Building the source code using Subversion and Hudson.
* Build and deployment scripts according to SCM team standards and processes to QA, Performance and Production Environments.
* After complete of the scripts development and process setup, execute the builds and deployments to all above environments based on weekly scheduled build.
* Perform smoke/sanity tests for the applications deployed and also troubleshoot the application for the issues that arise as part of the smoke test process.
* Responsible for Administration of **Subversion’s**
* Solving end user Problems.
* Setup Maven Remote Internal Secure Repository with access restricted to team members
* Installed and administered Artifactory repository to deploy the artifacts generated by Maven and to store the dependent jars which are used during the build.
* Resolved update, merge and password authentication issues in Bamboo and Jira.
* Involved in implementing Atlassian Tool Suite (Jira, Bamboo).
* Involved in monitoring builds, break/fix management, issue tracking, and identifying and resolving wide variety of build-related issues for different products.
* Designed CM processes and policies with approval from development and other affected teams.
* Defined processes to build and deliver software baselines for internal as well as external customers.

# Company : Tech Mahindra

**Duration : Jun-2016** to **Feb-2017**

**Role :** Devops Engineer

**Client : JCP Inc**

Setting up the new build environment for various applications in **Linux** environment.

* Managed to organizational standards by maintaining the source code in **GIT** for various applications.
* Creating and maintaining the development and release branches on **GIT**.
* Using **Maven** as a build tool, I could automate the process of building artifacts.
* Enabling the **SonarQube** Quality gates for the modules of the project to maintain the Stability of the code quality.
* Generating the **SonarQube** reports for the individual modules of the maven project.
* Configuring and enabling the **SonarQube** through Jenkins pipeline jobs.
* Implementing **Jenkins** continuous integration tool including installing setting the jobs/plans and setting up the tool for deployment.
* Configured Git with **Jenkins** and schedule jobs using Poll SCM option.
* Involved in installing **Jenkins** on a **Linux** Machine. And creating a **Master** and **Slave** configuration to implement multiple parallel builds through a build.
* Responsible for **Dockerizing** applications.
* Strong experience in writing **Docker** files and building images.
* Responsible for creating **Kubernetes** manifest files like daemon sets, replica sets, deployments.
* Strong experience in **Kubernetes** cluster setup and deploying applications in **Kubernetes** cluster.
* Implemented CI/CD using **Jenkins**, **Docker** & **Kubernetes**.
* Used **AWS** services like **EC2, S3, EBS, ELB** for building infrastructure.
* Participates in the design and implementation phases for new and existing products, with a focus on **AWS**

technical knowledge for successful execution of the requirements.

* Help engineering teams implement **new technologies** in development for future production deployment.
* Actively monitor and administer the applications and hosting environment to increase **efficiency**, **improve reliability**, and **minimize downtimes**.
* **Measurement**, **optimization** and **tuning** of system performance and ensuring that systems will run reliably and are highly available in a **24/7** production environment.
* Experience in scripting for monitoring using ansible to automate the task/install is strongly preferred. Managing/Tracking the defects status using **JIRA.**