**Sowndharya T.S**

**Email: soundaryats123@gmail.com Mobile: +91 9449089045**

**Summary:**

Having over all 6 Years of Professional experience. 5 year on **DevOps Engineer** in IT Infrastructure and Hosting based environment and 1 year of experience as a **Testing Engineer**. Seeking a Technical position fully utilizing strong customer service attitude, exceptional organizational ability and technical skills.

**Professional Profile:**

* Technical skills in **Docker, Terraform, Github, Bitbucket, Maven, Jenkins, AWS, Linux Commands.**
* Hands-on experience with **EC2**, **VPC, IAM, Route S3, RDS, Lambda, SNS, CloudFormation, VOLUMES, SQS, Cloud Watch, ELB & AUTO SCALING.**
* Demonstrable experience with developer tools like **Code Deploy**, **Code Build**, **Code Pipeline**, design the overall Virtual Private Cloud VPC environment including **server instance**, **storage instances**, **subnets**, high availability zones, etc.
* Experience on Deployment Automation & Containerization (**Docker**, **Kubernetes**).
* Proficient with container systems like docker and container orchestration like EC2 Container Service, **Kubernetes** worked with **terraform**.
* Managed Docker orchestration and Docker containerization using **Kubernetes**.
* Used Kubernetes to orchestration the deployment, scaling and management of Docker Container.
* Hands on experience with SCM tools like **Git/GitHub, Git Lab & Bitbucket** for **Branching**, **Tagging** and version management.
* Extensive experience using **Maven** as build tools for the building of deployable **artifacts** (**jar, war, tar** & **ear**) from source code.
* Extensively worked on **Jenkins** for continuous integration and for End-to-End automation for all build and deployments.
* Extensively worked on packaging the **Linux**, **Ubuntu** Application.
* Experience in integrating Unit Tests and Code Quality Analysis Tools like **SonarQube**.
* Experience in using **Maven** Repository Manager for **Maven builds**.
* Experience in using **Apache Tomcat** application servers for **Deployments**.
* Developed **Python** and **shell scripts** for automation of the build and release process.
* Improved the efficiency and scalability of the continuous integration environment using **Python** and **Shell scripts.**
* Application Deployments & Environment configuration using **Ansible**.
* Good Experience in **Docker** like creating **Docker Images** and **Docker Containers.**
* Hands on Knowledge of software containerization platforms like **Docker** **container**.
* Having good experience on **Installing** and **configuring Devops tools**.
* Good working Knowledge with **Agile** Product Development **methodology**.
* Managed daily **Builds** and **Releases** to **QA**. Debugged build failures and worked with developers and QA people to resolve related issues.
* Strong ability to troubleshoot any issues generated while **Building**, **Deploying** in production support.

**Professional Experience:**

Working as a **Devops Engineer** in **Software Technology Pvt Ltd**

from February-2017 to till date.

**Academic credentials:**

* **B.E** , Sambhram Institute of Technology .

**Technical Skills:**

|  |  |
| --- | --- |
| **Operating Systems** | **Linux, Ubuntu** |
| **SCM** | **GIT, GitHub, Git Lab & Bitbucket** |
| **Build Tool** | **Maven** |
| **CI/CD Tools** | **Jenkins (Groovy)** |
| **Web/Application Server** | **Apache Webserver, Apache Tomcat** |
| **Containerization** | **Docker, Kubernetes** |
| **Configuration Management Tool** | **Ansible** |
| **Cloud Infrastructure** | **AWS Stack (EC2, S3, VPC, EBS, ELB, Auto Scaling, Cloud Watch, Route 53, IAM)** |
| **Data Base** | **PostgreSQL** |
| **Artifactory Repos** | **Sonarqube** |
| **IAC Tool** | **Terraform** |
| **Scripting** | **Bash Scripting and Python Scripting** |

**Project Summary:**

**Project #:**

**Client:**

**Role: DevOps Engineer**

**Environment:** Linux, Git, Maven, Jenkins, Groovy, Nexus, Sonarqube, Shell Scripting, Python Scripting, Docker, Ansible, Terraform, Apache Tomcat, Kubernates and AWS

**Duration:** Nov 2021 to Jan 2024

**Responsibilities:**

* Experienced in Amazon Web Services cloud platform and its features like EC2, S3, ELB, Auto-Scaling, AMI, IAM, Cloud Watch and VPC, Amazon Workspaces.
* Experience in working with Version control systems like GIT, GitHub
* Worked on installing & configuring Jenkins nodes
* Configured Git with Jenkins & schedule jobs using POLL SCM option
* Worked on Building & Managing Docker Containers & Images
* Worked in YAML Language for Writing Task, Handlers, Playbooks and Roles using Ansible.
* Setup the Continuous Integration/Continuous Deployment (CI/CD) process
* CI/CD Pipeline using Ansible, Jenkins, Docker to automate the deployments of servers.
* Install and configure Ansible on Central node and Managed hosts, run ad-hoc commands and playbooks to automate tasks.
* Troubleshooting and stabilizing the various environments Build, Deploy and environment issues.
* Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and **Kubernetes**.
* Used Jenkins pipelines to drive all micro services builds out to the Docker registry and the deployed to kubernetes, Created Pods and managed using **Kubernetes**.
* Building/Maintaining Docker container clusters managed by kubernetes Linux, Bash, GIT, Docker on **AWS**.
* Utilized **Kubernetes** and Docker for the runtime environment of the CI/CD system to build, test and deploy.
* Involved in development of test environment on Docker containers and configuring the Docker containers using **Kubernetes**.
* Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and kubernetes deploy and services.
* Configuring new **jobs** in **Jenkins** as per the requirement from **Dev team.**
* **Installed**, **configured** and integrated **Maven** with **Jenkins.**
* Changing **POM** configuration in **Jenkins** (E.g.: Maven command for including test cases).
* **Build** and **deployment in various environments (DEV, QA, etc.)**
* **Docker** – **creating new containers,** mounting and starting services.
* Responsible for managing **configuration management** tools like **GIT**
* Helping Developers for Build, Release, **SCM** and **Build setup issues**.
* Creating **Branches** and **Tags** using **GIT**.
* Maintain **GIT Repositories**, Handling Releases and **Branching activities** for **GIT.**
* **Troubleshooting** – works with **Dev Team** on various build and other issues and resolving them.
* Verifying the **logs** if build fails.
* Verify Deployments logs to check for successful Deployments.
* Automating the manual process if any, by writing the **Shell scripts and Python.**

**Client:** Mouser

**Role: Support Role**

**Environment:** Linux, Git, Maven, Jenkins, Nexus, Sonarqube, Shell Scripting, Python,

Docker, Ansible, Apache Tomcat and AWS

**Duration:** May 2021 to Oct 2021

**Responsibilities:**

* Experienced in Amazon Web Services cloud platform and its features like EC2, S3, ELB, Auto-Scaling, AMI, IAM, Cloud Watch and VPC, Amazon Workspaces.
* Experience in working with Version control systems like GIT, GitHub
* Worked on installing & configuring Jenkins nodes
* Configured Git with Jenkins & schedule jobs using POLL SCM option
* Worked on Building & Managing Docker Containers & Images
* Worked in YAML Language for Writing Task, Handlers, Playbooks and Roles using Ansible.
* Setup the Continuous Integration/Continuous Deployment (CI/CD) process
* CI/CD Pipeline using Ansible, Jenkins, Docker to automate the deployments of servers.
* Install and configure Ansible on Central node and Managed hosts, run ad-hoc commands and playbooks to automate tasks.
* Troubleshooting and stabilizing the various environments Build, Deploy and environment issues.
* Configuring new **jobs** in **Jenkins** as per the requirement from **Dev team.**
* **Installed**, **configured,** and integrated **Maven** with **Jenkins.**
* Changing **POM** configuration in **Jenkins** (E.g.: Maven command for including test cases).
* **Build** and **deployment in various environments (DEV, QA, etc.)**
* **Docker** – **creating new containers,** mounting, and starting services.
* Responsible for managing **configuration management** tools like **GIT**
* Helping Developers for Build, Release, **SCM** and **Build setup issues**.
* Creating **Branches** and **Tags** using **GIT**.
* Maintain **GIT Repositories**, Handling Releases and **Branching activities** for **GIT.**
* **Troubleshooting** – works with **Dev Team** on various build and other issues and resolving them.
* Verifying the **logs** if build fails.
* Verify Deployments logs to check for successful Deployments.
* Automating the manual process if any, by writing the **Shell scripts and Python.**
* Experience with container-based deployments using Docker, working with Docker images, Docker Hub and Docker-registries and **Kubernetes**.
* Used Jenkins pipelines to drive all micro services builds out to the Docker registry and the deployed to kubernetes, Created Pods and managed using **Kubernetes**.
* Building/Maintaining Docker container clusters managed by kubernetes Linux, Bash, GIT, Docker on **AWS**.
* Utilized **Kubernetes** and Docker for the runtime environment of the CI/CD system to build, test and deploy.
* Involved in development of test environment on Docker containers and configuring the Docker containers using **Kubernetes**.
* Developed microservice on boarding tools leveraging Python and Jenkins allowing for easy creation and maintenance of build jobs and kubernetes deploy and services.

**Client:** Datamatics

**Role: Consultant**

**Duration:** Jan 2019 to Jan 2021

**Responsibilities:**

* Perform functional and technical test execution activities as per SDLC engagement level in the project.
* Document software product defects and track it to closure
* Functional Testing of Web- Oriented Applications.
* Integration Testing; GUI Testing.
* Usability Testing; Regression Testing.
* Root Cause Analysis; Documentation Analysing.
* Test Cases Creation; Bug Reporting; Test Result Reports Creation.

**Competencies:**

* Versatile team player.
* Individual contributor with strong analytical and problem-solving skills.
* Good communication and interpersonal skills.
* Committed to deadlines and schedules.

**Client:** DGM software pvt ltd

**Role: Analyst**

**Duration:** Feb 2017 to Aug 2018

**Responsibilities:**

* Perform functional and technical test execution activities as per SDLC engagement level in the project.
* Document software product defects and track it to closure
* Functional Testing of Web- Oriented Applications.
* Integration Testing; GUI Testing.
* Usability Testing; Regression Testing.
* Root Cause Analysis; Documentation Analysing.
* Test Cases Creation; Bug Reporting; Test Result Reports Creation.

**Competencies:**

* Versatile team player.
* Individual contributor with strong analytical and problem-solving skills.
* Good communication and interpersonal skills.
* Committed to deadlines and schedules.

**Date:** Your’s Sincerely,

**Place: Bengaluru Sowndharya.T.S**