Sudarsan

**Mobile**: +91- 8333023030

**Email**: [sudarsan.9@outlook.com](mailto:sudarsan.9@outlook.com)

**Objective:**

A highly motivated and dedicated individual seeking an environment that encourages continuous learning and provides exposure to new ideas and personal and professional growth in the area of **Configuration Management and Deployment Management**.

**Professional Summary:**

* Having **4+** Years of professional IT experience as a DevOps Engineer.
* Experience with cloud infrastructure of **AWS** (Amazon Web Services) like **EC2, IAM, S3, VPC, ELB, Route 53, Cloud watch & Lambda.**
* Excellent skills in applying DevOps Continuous Deployment and Continuous Delivery processes & tools [ Ex: **Git, Maven, Jenkins, Tomcat, Ansible, Docker, Kubernetes etc..**]
* Administering GIT/GitHub/repositories and creating **branches**, resolving

**merge conflicts** and reviewing **pull requests**.

* Hands-on experience in **Maven** builds for compiling and packaging the artifacts.
* Having good exposure to CI/CD tools like **Jenkins.**
* Expertise in Installation and Configuration of Continuous Integration tool **Jenkins**.
* Configuring Jenkins job with related Plugins for Building, Testing, and Continuous Deployment to accomplish the complete **CI/CD**.
* Involved in Installing **Jenkins** on a Linux machine and created a master and slave configuration to implement multiple parallel builds.
* Good knowledge of writing declarative pipelines scripts using **DSL**.
* Good Experience in Repositories like **JFrog Artifactory** and **Nexus**
* Experience in configuring and updating the servers using **configuration management** tools like **Ansible** and Experience in **Containerization tools** like **Docker**.
* Performed **infra-automation** tasks using Configuration management software like **Ansible**.
* Good understanding of **Ansible** for configuring and managing servers, combining multi-node software deployment, ad-hoc task execution, and configuration management.
* Experience with container-based deployments using **Docker**, working with **Docker images**, **Docker Containers**, **Docker files,** and **Docker registries**.
* Experience working with **Docker** containers, created and managed a Docker deployment pipeline for custom application images using **Jenkins**
* Promoting **Docker images** from one environment (**Dev, QA, Prod**, etc.) to another
* Experience in writing **Kubernetes** service and deployment files.
* Experience in containerizing and migrating applications to **Kubernetes.**
* Working knowledge of cluster managers: **Kubernetes/Docker.**
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile**, **Scrum**, and **Waterfall Methodologies**.
* Work with **Development** and **QA** Testing Teams to establish a build schedule, execute the builds and troubleshoot build failures.
* Experience **Terraform** provision **Infrastructure as a Code (IaC) in AWS infra.**

**Skill Sets:**

|  |  |
| --- | --- |
| **Operating Systems** | Linux, Windows |
| **Version Control Tools** | Git, GitHub |
| **Build Management Tools** | Maven |
| **Scripting Languages** | Bash/Shell scripting |
| **Application Servers** | Apache Tomcat |
| **Continuous Integration Tools** | Jenkins |
| **Repositories** | JFrog Artifactory., Nexus |
| **Code Quality** | SonarQube |
| **Monitoring Tools** | Prometheus and Grafana |
| **Configuration Management Tools** | Ansible, |
| **Cloud Services** | AWS (Amazon web services) |
| **Containerization platform** | Docker |
| **Issue Tracking Tool** | JIRA |
| **Container Orchestration Tool** | Kubernetes |
| **IaC** | Terraform |

**Education Qualification:**

* Post Graduated an **M.B.A**, from **Sri Venkateshwara University**, Tirupati.

**Professional Experience:**

* Working as a DevOps Engineer for **Nirant Technologies** **Pvt Ltd**, in Hyderabad

(March- 2018 to till date)

**Project Experience: -**

**Client** : Infosys Technologies, Bangalore KA

**Technology** : Jenkins, Docker, Ansible, and Kubernetes.

**Designation :** DevOps Engineer

**Duration** : April-2020 – Till Date

# Responsibilities:

* Configured **Jenkins CI** tool using build tool **Maven**.
* Created **Jenkins CI/CD** pipelines with declarative pipelines using **DSL** and free style jobs.
* Created the **Nexus** repositories for upload/download artifacts, third-party tools, and **Docker Images** to the repositories.
* Configured the **slave nodes** in **Jenkins** and create the users in the target servers and established the communication to all servers by exchanging the keys.
* Created the docker files, build, tagged, and pushed images to the private docker hub.
* Written **Terraform** scripts to provision **AWS infra (ex. IAM, EC2, EBS, S3**)
* Created **Docker container** and deploy artifact file into **Tomcat server**.
* Used **Jenkins pipelines** to drive all micro services builds out to the **Docker registry** and then deployed to **Kubernetes**, Created **Pods**, and managed using **Kubernetes.**
* Managed **Kubernetes**charts using Helm. Created reproducible builds of the **Kubernetes**applications, managed Kubernetes manifest files, and Managed releases of Helm packages.
* Kubernetes by deploying a Go app through a full CI/CD pipeline using a configured **Helm chart.**
* Creating change management using the Jira ticket tool and submitting for the approval process.
* Updating my daily activities task in the project management tool JIRA.

**Client :** Infosys Consulting Pvt. Ltd.

**Technology :** RHEL, Docker, Jenkins, Git, Ansible, and AWS.

**Designation :** Build & Release Engineer

**Duration :** March-2018 to Aug-2020

# Responsibilities:

* Worked on Multiple **AWS** instances accounts to handle **dev & Prod** environments.
* Responsible for handling performance issues of applications deployed in the AWS environment.
* Setup and Managed **EBS backup** and recovery using Snapshot.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using **GIT source control.**
* Integrated **GIT** and **Maven** with **Jenkins** to implement the continuous integration process.
* Automated the Application n build procedure and deployment using **Jenkins and Ansible.**
* Setting up Jenkins master, adding the necessary Plugins, and adding more slaves to

support scalability and agility.

* Installing docker, writing docker files, building images, and maintaining the production application containers.
* Automation of tasks that seems to be manual and save efforts through ansible
* Written playbooks, and roles in **Ansible** and Integrated the **Ansible** playbooks with **Jenkins**.
* Coordinated with developers and managers to make sure that code is deployed in the production environment.
* Troubleshoot tickets or issue tracking through the **JIRA tool**.
* Upgrading the tools in Development and Production environment.
* Performed automatically updated Jira and confluence Plugins using **Rest API and UPM**.
* Coordinating with stakeholders and solving their issues.
* Participating in grooming backlogs and retrospective meeting.