**AMARESWAR SINGAMPALLI**

**DevOps Engineer**

**Email:** amareswar253@gmail.com  **Phone No:** +91 9676864812

## Objective:

To leverage my 3 years of hands-on experience as a DevOps engineer to enhance efficiency and collaboration within IT operations. Seeking a dynamic role where I can apply my skills in automation, continuous integration, and deployment to streamline processes and contribute to the success of cross-functional teams

## Profile Summary:

* Having 3 years of relevant experience working in the DevOps area, working with various CI/CD implementations involving different phases from code compilation to deployment, Environment management, and maintenance.
* Hands-on experience in Working on AWS cloud services IAM, VPC, EC2, S3, Elastic Block Storage, Elastic Load Balancer, and Elastic Beanstalk, Auto Scaling Groups, SNS, Code Commit, Code Build, Code Deploy, Code Pipeline.
* Solid experience with Linux (Amazon Linux, Ubuntu and CentOs) operating systems.
* Hand-on experience on Infrastructure as a code (IAAC) Terraform.
* Worked on a CI/CD Jenkins for automating the entire application deployment life cycle process.
* Good Knowledge of creating users and restricting permissions to the jobs and giving access to the respective jobs by customizing the permissions in Jenkins.
* Good Knowledge of storing artifacts in S3 buckets by enabling versioning and Enabling S3 Bucket Cross Region Replication
* Good Knowledge of Docker like managing containers, images, volumes and establishing the communication between the containers.
* Good Knowledge of configuration management tool Ansible.
* Good Knowledge of core concepts in Ansible such as setup, Ad-hoc commands, Playbooks, and handlers.
* Good Knowledge of web server Apache2, Nginx and Databases like RDS.
* Good Knowledge in installing and configuring K8S master and K8S nodes and established communication between them.
* Well aware of the advantages, architecture, and complete workflow of Kubernetes.
* Good knowledge on creating and managing pods, services and Deployments in K8’s.

**Professional Experience:**

Working as DevOpsEngineer in TCS**,** Hyderabad (Dec 2021-Present)

**Project: ICICI Prudential Life Insurance**

**Tools :** Linux, Git, GitHub, Maven, Jenkins, Apache Tomcat, Docker, Ansible, Kubernetes, AWS- EC2,S3, IAM, VPC, Route 53, SNS, Cloud Watch, Terraform.

**Roles & Responsibilities:**

* Checking Alerts in Service now for any pending/ scheduled Tasks.
* Deploying end product in tomcat web application server and other application servers before production.
* Checking and automating if the Servers are running out of disk.
* Monitoring of all the Services running on the servers.
* Integrated many tools with Jenkins like Git, Maven, Nexus, Ansible, Sonar and Tomcat.
* Worked on Jenkins by installing, configuring, and maintaining continuous integration (CI) and End-to-End automation for all builds and deployments
* Configured many scheduled projects so that they can run frequently without the manual trigger.
* In case of any new project setup, creation of new jobs in Jenkins.
* Configuring pre and post-build actions in Jenkins as per project requirements
* Involved in deploying artifacts like JAR, and WAR, into application servers Apache Tomcat and Nexus.
* Used Ansible vault to secure information like passwords and secret key files.
* Making configuration changes on Servers using Ansible
* Writing Playbooks for automating the daily tasks
* Taking backups of Instances and taking backups of Production Databases and Providing them to Developers on Staging/ Testing Environments for testing of any issues
* Pulling the Artifacts from the Nexus and Deploying them to the Tomcat server.
* Ensuring that post Deployments sanity of code is done and correct signoffs are given.
* Seeking the Approval from Business/QA/UAT and Security Sign Offs.
* Creating servers, AMIs, and storage blocks in S3 taking snapshots, VPCs, subnets, load balancing, and Auto-scaling in AWS.
* Administering users, groups, and roles & setting up policies by using IAMand also Creation of VPCs, S3 buckets, and Ec2 Instances automating them through Terraform.
* Manage and configure AWS services as per the business needs (ELB, EC2, S3, IAM, and VPC).
* Provide support for resolving technical issues and troubleshooting problems related to deployments and infrastructure.
* Participate in on-call support rotations as required to address critical incidents outside of regular business hours.

**Technical skills**:

|  |  |
| --- | --- |
| **Operating Systems** | Linux, Ubuntu & Windows |
| **Version Control Tools** | GIT, AWS Code Commit |
| **Build Tools** | Maven |
| **CI/CD** | Jenkins, Code Build, Code Pipeline |
| **Containerization Tool** | Docker, Kubernetes |
| **Configuration Management** | Ansible |
| **Scripting Language** | Shell Scripting |
| **Monitoring Tool** | Prometheus, Cloud Watch |
| **Cloud Services** | AWS (EC2, S3, IAM, Cloud front, VPC, Route 53, SNS), |
| **IaC** | Terraform |

**Education:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **EXAMINATION** | **BOARD/UNIVERSITY** | **SCHOOL/COLLEGE** | **PASSOUT YEAR** | **PERCENTAGE** |
| B.E | Jawaharlal Nehru Technological University | Aditya College of Engineering | 2020 | 7.52 CGPA |
| DIPLOMA | State Board of Technical Education | SIR C R Reddy Polytechnic College | 2017 | 78.9% |
| SSC | State Board of Secondary Education | S.N.S.N.M Z P P High School | 2013 | 6.7 CGPA |

**Strengths:**

* Team Player
* Adaptability
* Flexible
* Dedicated and Hard-Working

**Personal Details:**

Father Name : Mr. Suribabu Singampalli

Mother Name : Mrs. Kanakalakshmi Singampalli

Date of Birth **:**  05th May 1998

Gender : Male

Marital Status : Single

Nationality : Indian

Language : Telugu, English.

**Declaration:**

I hereby declare that the information furnished above is true up to my knowledge and I bear the responsibility for the correctness of the above mention particulars.

Place: Hyderabad Name Amareswar Singampalli