**CHIKKELA SAMPATH KUMAR**

**(AWS & DevOps Engineer)**

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**SUMMARY:**

Having 8 months of experience in Software Configuration Management domain, I have experience on DevOps, AWS, Continuous Integration and Delivery, Build and Release Management and Application Management.

**PROFESSIONAL SUMMARY:**

* Experience on using Version Control Management tool GIT.
* Knowledge on branching, merging and tagging concepts in GIT.
* Experience in building Continuous Integration (CI) & Continuous Deployment/Delivery (CD) pipeline as an interactive process using Jenkins.
* Configured Jenkins Master-Slave Architecture using Jenkins Nodes to build jobs in the view of distributing the load of Jenkins Master and achieved parallel builds.
* Expertise in writing playbooks and creating Roles for Scalability and Re-usability in Ansible.
* Experience in provisioning, packages, services, configuration and deployment using Ansible.
* Integrate **SonarQube** to Check the Quality of the code.
* Proficient in deploying the War/Jar/Ear applications on target managed servers.
* Installed and Configured Tomcat Application and Apache Webserver installation.
* Monitored the automated build and continuous integration process to ensure correct build execution and facilitate resolution of build/release failures.
* Implemented containerization using Docker and its components like Docker Engine, Docker Hub, Machine, Docker-Compose, Docker Registry and Docker Repository.
* Writing Docker files for creating customized Docker images required for different environments.
* Performed container orchestration/clustering on **Docker Swarm**
* Good knowledge on Configuration Management tool **Ansible**.
* Expertise in creating and maintaining the infrastructure on AWS using services such as EC2 (EC2-instances, **AMI, IAM, ELB, EBS, RDS, S3, SNS),** auto-scaling and Route 53.
* Experience in managing Auto scaling and **Nagios** services for applications.
* Experience in creating highly available VPC for application with high security using NACL (Network Access Control List) and Security Groups.
* Hands on experience in bug tracking tool **Atlassian** **JIRA**
* Experience in automating building, deploying and releasing of code from one environment to other environment like Dev, UAT, Pre-Prod and PROD.
* Working experience on Linux and Cloud AWS Environment.

**EDUCATION:**

* **B.Tech from JNTU HYDERABAD in 2018.**

**PROFESSIONAL EXPERIENCE:**

* Working as a **DevOps Engineer** in **Marolix Technology Solutions Private Ltd** from December-2022 to till date.

**TOOLS AND TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| Operating Systems | Linux, Windows |
| Version Control Tool | Git/GitHub |
| Build Management Tool | Maven |
| Application Server | Tomcat |
| Web Server | Apache Tomcat (Httpd) |
| Scripting Language | Shell, Bash Scripting |
| Continuous Integration Tool | Jenkins |
| Configuration Management Tool | Ansible |
| Cloud Technology | AWS (Amazon Web Services) |
| Containerization | Docker |
| Monitoring Tool | Nagios |
| Log Analysis | Aws Cloud watch |
| Software Repository Managers | Nexus, S3 |
| Management Tool | Jira |
| Code Analysis | SonarQube |
| Orchestration Tool | Kubernetes |

**PROJECT DETAILS:**

Client : E-QUARZ (Courier Management Services)

Designation : DevOps Engineer

Environment : Git, Jenkins, Maven, Apache Tomcat, Ansible, Linux

This e Commerce application serves as a digital platform for businesses to sell products or services online. It combines various features and functionalities to provide a secure, convenient, and efficient shopping experience for customers while offering essential tools for businesses to manage their online operations.Description:

**Roles and Responsibilities:-**

* Configuring jobs, master slaves and managing using in **Jenkins**
* Responsible for maintaining backups in Jenkins.
* We use GitHub to keep all our source code and automation scripts.
* Built Continuous Integration Environment using Jenkins.
* Configured Git with Jenkins and schedule jobs using POLL SCM build trigger.
* Developed and maintained the continuous integration and deployment systems using Jenkins, Maven, Nexus, **Ansible**.
* Installing, Configured and management in **Ansible** Centralized Server and creating the playbooks to support various middleware application servers, and involved in configuring the **Ansible** tower as a configuration management tool to automate repetitive tasks
* Automated configuration management and deployments using **Ansible** playbooks and **Yaml**for resource declaration. And creating roles and updating Playbooks to provision servers by using **Ansible**.
* Monitoring **Jenkins** jobs and contact team if progress is not evident on fixing stability issues.
* Developing build and deployment pipelines using Jenkins, Maven for Java applications
* Administered version control system that included branching and merging Responsible for creating and developing the build process environment.
* Set up and maintained Development, QA, Pre-Production, and Production environments.

**DECLARATION:**

I here by declare that all the information furnished above is true to the best of my Knowledge and belief.

Place: Hyderabad (Sampath kumar)