**Krishna Reddy**

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**Professional Summary:**

Around 4 years of experience as a Devops Engineer.

* Working knowledge on Continuous Integration, Delivery.
* Experience in branching, tagging and maintaining the versions across the environments working on Software Configuration Management (SCM) tools like **GITHUB.**
* Administering GITHUb repositories and creating branches, reviewing **pull requests**.
* Hands on experience in **Maven** build tool for compiling and packaging the artifacts.
* Having good exposure in CI tools like **Jenkins**.
* Expertise on 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.
* Hands on experience in integrating **GITHUB, Maven, SonarQube, Nexus** and **Docker** with Jenkins declarative pipelines and free style models.
* Experience in Containerization tool like **Docker**.
* Experience with container-based deployments using **Docker**, working with **Docker images, Docker Containers,**
* Experience working with Docker containers, created and managed a Docker deployment pipeline for custom application images using **Jenkins.**
* Experience with cloud infrastructure of AWS (Amazon Web Services) like **EC2, IAM, S3, VPC, ELB**, **Route53,**
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile** and **Scrum** methodologies.
* Experience in configuring and updating the servers using configuration management tools like **Ansible.**
* Working as a **Kubernetes Admin**, used to take care of Managing the Architecture.

**Technical Skills:**

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| **Version Control Tools** | GitHub, Gitlab |
| **CI Tools** | Jenkins |
| **Build Tools** | Maven |
| **Coverage and Quality** | Sonar cube. |
| **Cloud services** | AWS (Amazon web services) |
| **Monitoring Tools** | Icinga, Cloud Watch |
| **Container Orchestration Tool** | Docker and Kubernetes |
| **Repository Manager** | Nexus |
| **Issue Tracking Tool** | Jira and confluence |
| **Containerization platform** | Docker, Kubernetes |
| **Configuration Management Tool** | Ansible |

**Work Experience:**

* Working as Software Engineer in **Mindtree**, Bangalore from 2018 till date.

**Professional Experience:**

**Mindtree (April 2018 to Oct 2021 )**

**Roles and Responsibilities:**

* Handling and assigning the BAU tasks with respect to the DevOps tools.
* Configured Jenkins CI tool for project and setup Automated Builds.
* Created Jenkins CI/CD pipelines with declarative pipelines 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 server by exchanging the keys.
* Downloaded the images from public repository tag and uploaded to the private repository.
* Created the docker files, build, tag and pushed images to the private docker registry.
* Automation of tasks which seems to be manual and save efforts through ansible playbooks.
* Created Ansible playbooks to deploy images in Kubernetes environment.
* Created service and deployments in files in Kubernetes for application deployment.
* Participating in grooming backlogs and retrospective meetings.
* Involved in installation and configuration of Jenkins CI tool.
* Provision the Infrastructure using AWS cloud services and deploy the applications.
* Build and deployment automation through Jenkins CI Tool.
* Communicate and manage expectations during the planning and new releases.
* Interacting with the teams and fixing the build issues.
* Downloaded the images from public repository tag and uploaded to the private repository.
* Automated the Application build procedure and deployment using Jenkins and Ansible.
* Setting up Jenkins’s 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.
* Created the docker files, build, tag and pushed images to the private docker hub.
* Creating branches and tags on Git repository and provided branches access permission to dev team.
* Responsible for tagging and maintain code on version control GIT.
* Handling complete Build and Release management process including code, document and supporting testing team.
* Configure and maintain code base to support the build and deployment of code on servers.
* Worked on Multiple AWS instances, set the security groups and AMIs.
* Worked on Jenkins tool to configure Nightly Builds to check sanity of our code.
* Worked as a Kubernetes Admin, taking care of Deployments of PODS. And managing Worker Nodes on Both On-Prem and AWS EKS.
* Editing the Docker Images and running on different environment.
* Monitoring the infrastructure through Icinga and Cloud watch.
* Involved in maintenance, upgradation activities.
* Used to take backup of Jenkins Every Weekend.