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| Jayaram R | DevOps Engineer | |  |
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Professional Summary:

* Having 4+ years of experience in Devops Engineer in the fields of automation, configuration management, cloud services and container orchestration.
* Experience in using Kubernetes, Docker, Jenkins, Shell scripting and Ansible that reduce the effort of developers and operation teams in performing maintenance and daily operations.
* Building pipeline for continuous integration and continuous deployment by using Jenkins.
* Developing Seed Jobs to create Multibranch Pipelines with Webhooks.
* Created Docker private registry for managing the Images for both stack and application.
* Setting up Logging aggregation with EFK (ElasticSeacrh, Fluentd and Kibana) for log monitoring purpose.
* Set up Gitea as a Git service standalone application to store and manage the code to deploy the stack and application.
* Created startup scripts to pass Variables and run JAVA applications on the docker containers.
* Working on AWS services EC2, VPC, IAM, S3 and ELB for creating highly available infrastructure for the application
* Installing and configuring SonarQube with quality gates for continuous code quality analysis.
* Creating Inventory files for addressing remote machines to be administered. Running ad-hoc commands, playbooks and roles to get the desired state on the remote machines.
* Created the Docker-compose file for setting up application in development environment.
* Experienced in creating the Kubernetes objects such as Pods, Deployments, Services, Secrets, Configmaps and Namespaces.
* Developing High available Kubernetes-master, Logging server environments.
* Experienced in manging users, groups, Back up files, Cron jobs, Bash scripts for System Administration on Linux machines.
* Good communicator with exceptional analytical, client management, relationship management and coordination skills.

Technical Skills:

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| CI/CD | Jenkins |
| Containerization Tool | Docker, Docker-compose |
| Orchestration Tool | Kubernetes |
| Configuration Management Tool | Ansible and Terraform |
| Operating Systems | RedHat, Centos and Ubuntu |
| Code Quality Analysis | SonarQube |
| Cloud Technologies | Amazon Web Services, Azure DevOps |
| Version Control Systems | Bitbucket, Git and Gitea |
| Logging Aggregation and Monitoring | EFK |

Professional Experience:

* Working as a Senior Engineer with Moonstone Info Tech Private Limited, Hyderabad from Jan 2017 to till date.

Projects:   
**Project 1 :** MC IT Modernization

**Client :** Marsh & Mclennan **Location :** Pune **Role :** DevOps Engineer  
**Tools** : Jenkins, Docker, BitBucket, Kubernetes, Maven, Bash Script, Sonarqube, postman and SericeNow.

**Responsibilities:**

* This role is responsible for deploying the application into docker environments with the Jenkins Pipeline
* Writing the Dockerfile for the application based on the existing application requirement.
* Working on bitbucket to configure application variables to pass them to the Jenkinsfile.
* Working closely with Developers to deploy the application to various environments like Dev, QA, UAT, PERF and PROD respectively.
* Supporting the Application team for conducting Dry Run to test the application before Go Live.
* Setting up HAProxy docker containers with proper configuration to point the backend application containers.
* Configuring ACLs in the HAProxy configuration file to enable different context paths for various applications.
* Raising Change Orders and Change Incidents to different teams (such as change management team, CyberOps team and NetworkOps Team) implement LB VIPs & Firewall port openings.
* Working on deployment pipeline failure issues to resolve them.
* Creating Credentials and Secrets in Jenkins to pass sensitive data to the Jenkins pipeline.
* Retrieving the applications logs from the containerization platforms and sharing those logs with the application teams to analyze the application failure issues.

**Project 2 :** JioMoney **Client :** Jio **Location :** Mumbai **Role :** Stack Engineer  
**Tools**  : Jenkins, Docker, BitBucket, SaltStack, Kubernetes, Maven, EFK, postman and Bash Script.

**Responsibilities:**

* Got an important role in setting up stack for JioMoney replica environment as India’s counterpart. This stack **holds highly available salt-masters and kubernetes masters** with highly available logging cluster.
* Successfully created the stack environment cluster through **salt stack and Kubernetes** to develop the platform for the application.
* Experienced in bootstrapping salt-master and minion architecture using **salt-ssh service in a docker container.**
* Adapted to both **salt push and pull mechanisms** through salt-ssh and salt-master-minion architecture.
* Able to satisfy client’s requirements through salt ad-hoc commands and and salt state files (.sls files).
* Created salt states for updating the repositories, installing the packages and configuring the applications.
* Created the generic salt Pillars in salt stack and the reusability of them for various Projects.
* Enabling salt to respond dynamically through the use of Grains.
* Supporting the application integration team to develop the manifests such as deployments and services definitions (Yaml files).
* Setting up Logging aggregation **with EFK (ElasticSeacrh, Fluentd and Kibana)** for monitoring purpose.
* Created High available logging file system with the distributed file system tool, **GlusterFS**.
* Have a good knowledge on **creating Kubernetes Objects** such as Pods, Deployments, Secrets, Configmaps, Services and namespaces.
* Created Docker private registry with database using docker-compose for managing the Images for both stack and application.
* Set up **Gitea as a Git service standalone application** to store and manage the code to deploy the stack and application.
* Configured Salt-masters with Git fileserver backend to make the salt code changes available in no time

**Project 3 :** SPay

**Client :** Samsung (Poland) **Location :** Pune **Role :** DevOps Engineer  
**Tools** : Jenkins, Docker, Docker-Compose, BitBucket, SaltStack, Kubernetes, Maven, EFK and Bash Script.

**Responsibilities:**

* Working on **Git** and performed operations like pull, making code changes, push and Merge after code changes being approved.
* Created **startup scripts** to pass Variables and run JAVA applications on the docker containers.
* Created **Jenkins Pipeline** for building the application along with Docker images and running the static code analysis to make the application less vulnerable.
* Configured the Jenkins pipeline with quality gates so that the pipeline will be broken if the code quality doesn’t meet the required levels.
* Worked on **Jenkins Job Builder (**JJB) to create the Pipeline through the yaml definitions. Configuration changes also done with JJB yaml files.
* Creating the **kubernetes manifests** for the application and deploying them to the BDD and QA environments.
* Experienced in creating the **kubernetes objects** such as Pods, Deployments, Services, Secrets, Configmaps and Namespaces.
* Updating the kubernetes manifests with latest releases and pushing them to the **bitbucket** repository from which the BDD and QA environments will deploy the new changes.
* Working with Developers and Testers to understand and accomplish the tasks.
* Created the **Docker-compose file** for setting up application in development environment.

**(Jayaram R)**