## R VENKATESH REDDY

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**CAREER OBJECTIVE:**

Looking for a challenging position in the field of Information Technology and have the flexibility to adapt to any new environment and work on any project wish to utilize this experience in an organization as part of them.

**PROFESSIONAL SUMMARY:**

* Highly competent, diligent and goal-oriented **DevOps Engineer** with 4**+ years** of experience in **Configuration Management** and **Build** & **Release management**.
* Hands on Experience in **Branching**, **Merging** and maintaining the versions using SCM tool like **GIT** on windows and Linux platform.
* Hands on experienced with AWS services like **EC2, VPC, S3, EBS, AMI, SNS, Cloud Watch, Cloud Front, Cloud Trail, Route53** and **IAM**.
* Experienced in using Build tools like **ANT**, **Maven**.
* Experienced in the creation of **Docker containers** and **Docker images** using Docker file for easier replication of DEV, QAand PROD Environments in local machines.
* Hands on experience in **Kubernetes** to orchestrate the deployments, pods, pvc, secrets, and handling disaster recovery with **velero**.
* Experienced in **Jenkins** by installing configuring and maintaining for purpose of **continuous integration(CI)** and **end to end automation** for all **build** and **deployments** and **creating Jenkins CI pipelines**.
* Hands on experience in **Bitbucket Pipelines**.
* Hands on experience on managing and integrating code Quality tools like **SonarQube**.
* Hands on experienced on secrets management tools like **Hashicorp Vault.**
* Hands on experienced with **Shell Scripting** Language.
* Experienced in using Atlassian tools like **Jira** and **Confluence**.
* Experienced in using Monitoring tool **Cloud Watch** and **Nagios**.
* Good knowledge of SDLC along with **Agile** (Scrum) methodologies.
* Experience in both **Linux** and **Windows** Build environment.

**EDUCATIONAL DETAILS:**

* **B.TECH** in **Computer Science Engineering** from National Institute of Science and Technology, Berhampur, Odisha.

**TOOLS AND TECHNOLOGY EXPERIENCE:**

* **Operating Systems** : Windows, Linux
* **Version Control** : GIT, SVN
* **Source Control Management Tool** : BitBucket, Github
* **Build Tools** : ANT, MAVEN
* **Continuous Integration Tool** : Jenkins, Bitbucket Pipeline
* **Monitoring Tool** : Nagios, Cloud Watch
* **Containerization Tool** : Docker, Kubernetes
* **Cluster Disaster Recovery Tool**: Velero
* **Code Analysis Tool:** SonarQube
* **Secrets Management Tool**: Hashicorp Vault
* **Deployment Tool** : Ansible
* **Atlassian Tools** : Jira, Confluence
* **Cloud Environment** : Amazon Web Services (AWS)
* **Scripting Language** : Shell Scripting, YAML

**PROFESSIONAL EXPERIENCE:**

**Avin Systems Private Limited, Bangalore April 2020 - Present**

**Senior Software Engineer**

**PROJECT DETAILS:**

**#1.** Project Name : ONVU Learning

 Role : DevOps Engineer

**Description:**

ONVU Learning Provide Unique learning and teaching aids for the classroom, enabling education professionals to improve, get better results and make every lesson more effective and enjoyable.They offers a unique technology that provides complete recording of 360-degree video and audio, giving you a comprehensive view of the entire lesson. So teachers can see the recordings and adjust behaviours and the impact of their teaching approach.

**Responsibilities:**

* Implemented and maintained the branching and build/release strategies utilizing GIT. Involved in periodic archiving and storage of the source code for disaster recovery.​
* Strong knowledge in Bash Shell Scripting and basic automation flow using CRON job.
* Setup full CI/CD pipelines so that each commit a developer makes will go through standard process of software lifecycle and gets tested well enough before it can make it to the production.
* Setup sonarqube projects which corresponds to bit bucket projects and provide code analysis different programming standards.
* Running development, stage and production environments and deployments.
* Experience with container-based deployments using kubernetes.
* Extensively worked on Kubernetes charts using Helm3 to orchestrate the deployments, pods, replicas, and handling disaster recovery using velero.
* Secrets stored and managed by secrets management tools like Hashicorp Vault.
* Worked on AWS EC2 service for installing, configuring and
* Managed and setup AWS EC2, S3, EBS, SES, Route53, Cloudfront and etc.
* Setup and configured a static web hosting on S3 bucket with HTTPS request using cloudfront.
* Implemented 2-factor authentication for AWS Users.
* Setup and configured the backups for AWS services for EC2, S3 bucket, etc.
* Worked on changing the SSH keys of an running EC2 instance and also for kubernetes nodes.

**Infosys Limited, Bangalore September 2016 - April 2020**

**Software Engineer**

**PROJECT DETAILS:**

**#1.** Project Name : Minol Service Support Center (MSSC)

 Role : Build and release Engineer

**Description:**

Minol Service Support Center is a web based system, which is mainly used for add, maintain accounts and paying bills online. Minol is a service-based company which provides services like Metering, Sub-metering and billing services. Minol provide equipment’s and services for maintaining the power billing and water billing to the clients like residential apartments and Business centers. The customers who associated with client, they have to pay the bills directly to Minol and customers uses the MSSC for registration, bill preview and online Payment. This application admin module is used for pulling out the outstanding payments reports and other sales reports.

**Responsibilities:**

* Managing software source code, change control, configuration management, build and deployment activities, and Setup Build & Release mechanism for new product lines.
* Administrate the Version control tool and create the branches, merging and provide the access controls to developers.
* Troubleshooting issues with builds and compiler tools.
* Configure the Continues integration tool Jenkins.
* Managed for taking the source code and compiling using MAVEN and package it in its distributable format, such as a JAR, WAR.
* Build, package and deploy the project deliverables on test environments as distributed updates and promoting to higher environments.
* Monitoring application servers and fixing issues if any. Written the Shell Scripts for Automating Deployment.
* Performed application server builds in **EC2** environment.
* Implemented a continuous Delivery pipeline with Jenkins.
* Used **Docker**Container to package the applications.
* Analyzing application logs in order to determine the possible cause of issues and reporting errors directly to the dev team.
* Improve transparency in software build, configuration management, release and deployment practices for expert’s product and solution provisions
* Maintaining and delivering the output files to the preferred testing team.
* Deploy the Release components to the required environments managing the permission of the files through scripts after deployment.
* Maintaining validation documentation after deployment.

**DECLARATION:**

* I hereby declare that the above information is true to the best of my knowledge.

Place: Bangalore (R Venkatesh Reddy)