Krishna Reddy DevOps/Cloud Engineer



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Seeking assignments with growth-oriented organizations across the industry

Professional Attributes

- Certified AWS Solution Architect over 4 years of professional IT experience in Cloud computing, DevOps implementation, Build & Release engineering and Linux Administration.
- Designed end to end automation of infrastructure and continuous delivery of the applications by using **Jenkins**, **Terraform** and **Kubernetes**.
- Experience on CI (Continuous Integration) and CD (Continuous Deployment) methodologies with Jenkins.
- Good Understanding and implementation experience of CI/CD pipeline, automation programmatically by creating **Jenkins jobs** and pipelines and solving various problems with **ANT**, **Maven**, **Gradle** as plugins.
- Experience with installation and configuration of **Docker** environment including **Docker registry hub** for managing different **Docker images** and deployment of applications inside the software containers.
- Provided consistent environment using **Kubernetes** for deployment scaling and load balancing to the application from development through production, easing the code development and deployment **pipeline** by implementing **Docker** containerization.
- Experience in working with AWS resources like IAM, EC2, EBS, S3, ELB, VPC, ECS, Lambda, Route 53, Auto Scaling, Cloud Watch and experienced in Cloud automation.
- * Expertise in configuration and automation Jenkins, Ansible and Docker.
- Used Ticketing tool JIRA to track defects and changes for change management, monitoring tools like NewRelic and CloudWatch in different work environments in real and container workspace.



- Automation Tools: Jenkins, Ansible, Docker, Kubernetes, Terraform.
- Cloud Platforms: Amazon Web Services
- **Version Control tools:** GIT, Subversion, Bitbucket.
- **Web Servers:** Tomcat, Nginx.
- Scripting/Languages: Shell, JSON, YAML, Groovy.
- Application Servers: Web Logic Application server 9.x, 10.x.
- Monitoring Tools: New Relic
- Operating system: Linux (Red Hat 4/5/6/7, CENTOS &SUSE), Ubuntu12/13/14



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PROJECT 2: -

Project Name: McDonald's Corporation

Client: McDonalds

Environment: Jenkins, Terraform, Kubernetes, AWS, Bit bucket, Linux.

Role: Vanguard DevSecOps Engineer

Project Description:

The Vanguard Engineering Team (VET) is responsible for the continuous development, dissemination, and incorporation of key architectural principles, best practices, and standards for teams to build, deploy, maintain, and evolve software applications so that they align with business goals, and quality requirements such as high availability, high security, high fault-tolerance and isolation, high scalability, high reliability, high performance, high agility, etc

❖ Roles and Responsibilities:

- Highly motivated and committed Cloud and DevSecOps Engineer experienced in Automating, Configuring and deploying instances on AWS cloud environments and Data centers.
- Involved in designing and deploying a multitude of applications utilizing almost all the AWS stack including EC2, Route53, S3 focusing on highavailability, fault tolerance and auto-scaling in AWS by using Terraform.
- Container management using Docker by writing **Docker files** and set up the automated build on Docker HUB and installed and configured Kubernetes.
- Expertise in Installing, configuring & administering Jenkins on Linux machines along with adding/updating plugins like GIT, Ansible, Sonar, Checkstyle, Deploy to Container, Build Pipeline etc.
- Designing and implementing CI (Continuous Integration) (CI) system: configuring Jenkins servers, Jenkins nodes, creating required scripts (Shell), and creating/configuring VMs (Windows/Linux).
- Configured SSH, SMTP, Build Tools, and Source Control repositories in Jenkins. Installed multiple plugins to Jenkins. Configured Proxy to get auto updates.
- Building/Maintaining Docker container clusters managed by Kubernetes, Linux, Bash, GIT, Docker. Utilized Kubernetes and Docker for the runtime environment of the CI/CD system to build, test deploy.
- Using Kubernetes, I have controlled and automated application deployments and updates and orchestrated deployment.

PROJECT 1: -

Project Name: Virgin Cruise Lines

Client: Virgin Voyages

Environment: GIT, Jenkins, Ifrog, Ansible, Docker Swarm, Linux.

Role: Devops Engineer

Project Description:

Virgin Voyages is a cruise line headquartered in Plantation, Florida and a joint venture between the Virgin Group and Bain Capital. Virgin Voyages has one ship in the fleet, with three more on order, all with an expected capacity of approximately 2,700 passengers each.

* Roles and Responsibilities:

- Built deployment pipelines using Jenkins as a frontend for continuous deployment to local staging and test environments and to production environments on demand, using a combination of Ansible, Docker, AWS tools and Shell scripting.
- Deploying application using Jenkins server and Troubleshoot build and release job failures, resolve, work with engineers on resolution.
- Integrated Ant and Maven with Jenkins to run to automate the build process as a part of continuous delivery.
- Managed version control tool GIT to version code change to help developers/programmers branch/merge/revert code.
- Working on Docker engine to create and use containers, saas-based services for creating and sharing docker services in docker hub
- ❖ Participated in weekly release meetings with Technology stakeholders to identify and mitigate potential risks associated with the releases.
- ❖ Review/Merge/ Remove **Git Pull Requests** to Bitbucket.
- ❖ Hands on with Git / GitHub for code check ins/checkouts, branching etc.
- Configuring and deploying artifacts into several environments by using primary automation deployment tool Ansible.
- Use Ansible and other configuration management tools to deploy consistent infrastructure code across multiple environments.
- Created Docker images using a **Docker file**. Worked on Docker container **snapshots**, removing images and managing docker volumes and experienced with Docker container service.



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