

Krishna Reddy

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*Seeking assignments with growth-oriented organizations across the industry*

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| * 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. |
| TechnicalSkills | * **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 |
| Work Experience | * Capgemini as DevSECOps ASSOciate Consultant   **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 high-availability, 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, Jfrog, 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. |
| Education | * **bachelor of technology, 2014 • jntu Kakinada** |
| Certification & Rewards | * **AWS Certified Solutions Architect - Associate** |