A SRIVANI - DevOps Engineer

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To pursue a career in DevOps which would give me the opportunity to apply my full potential and serve the Organization.

Education

BACHELOR OF TECHNOLOGY | 2016 | JNTU-A |70%

· Major: Electronics

Skills & Abilities

· 3.7 years of professional IT experience in cloud computing, DevOps implementation, Build & Release engineering, Linux administration and Open Span.

· 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, Cloud Front, Cloud Trail, Red Shift, SQS, SNS** 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 **New Relic and CloudWatch** in different work environments in real and container workspace.

Technical Skills

- **Automation Tools:** Jenkins, Ansible, Docker, Kubernetes, Terraform, Consul. ● **Cloud Platforms:** Amazon Web Services, Azure.
- **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, Elasticsearch, Logstash and Kibana (ELK), CloudWatch, CloudTrail, Grafana, Prometheus.
- **Operating system:** Linux (Red Hat 4/5/6/7, CENTOS &SUSE), Ubuntu12/13/14

Experience

DEVOPS ENGINEER

- Worked in Seymour Systems Pvt Ltd from Dec 2017 to 30 July 2021.

Project Experience

#1. DevOps Engineer

Environment: Jenkins, Terraform, Kubernetes, AWS, Bitbucket, Linux.

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

Responsibilities:

- Highly motivated and committed Cloud and DevOps 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, RDS, Dynamo DB, SNS, SQS, LAMBDA, REDSHIFT,** 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, Check style, Deploy to Container, Build Pipeline etc.**
- Designing and implementing **CI (Continuous Integration) (CI) system: configuring Jenkins servers, Jenkins nodes, creating required scripts (Shell & Python), 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** , on GCP. 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.

#2. DevOps Engineer

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

Project Description

Carnival Cruise Line is an international cruise line with headquarters in Doral, Florida. Its logo is the funnel like the funnels found on their ships, with red, white and blue colors. The funnels are shaped like a whale's tail.

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.

Declaration

I hereby declare that the above furnished information is correct and true to the best of my knowledge. Place:

A Srivani