

Dr. SHANKAR.G

DevOps Engineer/OpenShift Administrator

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OBJECTIVE:

Dynamic professional with passion towards DevOps engineer/OpenShift Administration with 8+ years of overall experience in AWS, Build & Release management, Configuration Management and OpenShift Administration. Being a highly motivated and dedicated individual with a strong work ethic, working in either a team or individual environment, I ensure results through leadership and performance.

PROFILE SUMMARY:

- DevOps Engineer offering over 8 + years of experience in solving complex problems with creative solutions, supporting development and operations environments in AWS.
- Experience working with AWS/RedHat OpenShift Infrastructure design, deployment, and operational support.
- Working experience on OpenShift, Kubernetes, Docker and Linux Platforms
- Involved in OpenShift and Kubernetes installation on AWS platform.
- Verifying the Health of OpenShift Cluster.
- Troubleshooting OpenShift Clusters and Applications.
- Perform regular health checks on environments.
- Hands on applying Continuous Integration, Continuous Deployment and Continuous Delivery.
- Knowledge in Installing, configuring & administering Jenkins on Linux machines along with adding/updating plug-ins like GIT, Maven, Ansible, Deploy to Container, Build Pipeline etc.
- Experience as a Build and Release Engineer in automating, building, deploying, and releasing code.
- Experience in Application Deployments & Environment configuration using Ansible.
- Extensive experience using MAVEN as a Build Tool for the building of deployable artifacts from source code.
- Extensively worked on Jenkins, Docker for continuous integration and for End to End automation for all build and deployments.
- Worked with Engineers, QA, and other teams to ensure automated test efforts are tightly integrated with the build system and in fixing the error while doing the deployment and building.
- Expertise in troubleshooting the problems generated while building, deploying and in production.
- Utilized Jenkins, Git/GitHub in day-to-day activities.
- Experience in supporting 24x7 production computing environments.
- Ability to learn new Technologies and tools quickly.

TECHNICAL SKILLS:

- **Cloud:** Amazon Web Services.
- **Operating System:** Linux
- **Configuration Management:** Ansible
- **Continuous Integration:** Jenkins
- **Source Control:** Git, GitHub
- **Build Tool:** Maven
- **Container Technology:** Docker
- **Container Orchestration:** Kubernetes, OpenShift.

WORK EXPERIENCE:

Project details:

ROLE : DevOps Engineer
Company : Suphala IT services ,Hyderabad.
Duration : Mar 2018 to June 2022

Roles & Responsibilities:

- Managing the Git flow, branching and merging.
- Participate in Agile methodologies with the team to achieve business goals in a timely manner.
- Understand tool chains, build environment and delivery of firmware builds for the firmware development teams.
- Evaluation and automation of build process and implementation of appropriate tools for build and release activities.
- Understanding the build flow for sprint platforms, debugging the build failures and supporting the developers releases on time.
- Configuring the Builds for the sprint teams in Jenkins.
- Creating new build jobs, Plug-ins installation, setting up slaves in Jenkins and managing the build related issues.
- Developing build and deployment pipelines using Jenkins for Java applications.
- Writing the Docker files for building the images.
- Containerizing applications with Docker.
- Creating resources like deployment, service, and configmap in Kubernetes.
- Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux) and Configuring launched instances with respect to specific applications.
- Working on Multiple AWS instances, set the security groups, Elastic Load Balancer.
- Auto scaling to design cost effective and highly available systems.

Project details:

ROLE : Build and Release Engineer
Company : Bigspire software, Chennai
Duration : Jan 2014 to Jan 2018

Roles & Responsibilities:

- Managing the SCM tools like Git for branching, tagging and version management.
- Using Github repository to run Jenkins job for CI.
- Support the engineering teams regarding CI/CD Build tools, Environments and Automation.
- Automation of the compilation, continuous integration, testing, packaging, and distribution of software
- Troubleshoot and resolve issues related to application deployment and operations.
- Associating with Build & Release team to setup Jenkins server & nodes for distributing the Jenkins jobs.
- Responsible for maintaining Jenkins master and slave nodes.
- Installing and updating the Jenkins plug-ins to achieve CI/CD.
- Managing the working environments through configuration management tool Ansible.
- Manage the web applications, Environment configuration files, Users, Mounts points and Packages using Ansible.
- Configured Elastic Load balancer (ELB) including high availability of ELB using various subnets in various availability zones, configured security settings and health check for application.
- Configured Apache on EC2 instances to make sure application that was created is up and running troubleshoots issues to meet the desired application state.
- Created AWS Launch configurations based on customized AMI and used this launch configuration to configure auto scaling groups.

EDUCATION DETAILS:

- Ph. D from VTU, Belgaum.
- M.E. from Anna university Chennai.
- B.E. from VTU, Belgaum.

DECLARATION:

I vouch for the authenticity of the above-furnished information.

Place:

Date:

(Dr. Shankar.G)