Kalaivani G

Senior DevOps Engineer

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Date of Birth 25th Dec 1985

Nationality Indian

Marital Status Married

Professional Summary:

Overall 5 years of IT experience and 3.5 years of experience in DevOps and Build and Release Engineering in Automating, Building, Deploying, and Releasing of code from one environment to another environment. Working experience in Continuous Delivery, Infrastructure Automation using Ansible. Experience in writing Ansible playbooks. Experience in supporting Ansible Environment with multi servers and involved in developing manifests. Hand-on experience in delivering container-based deployments using Docker. Experience in setting up and managing Docker private repository. Having experience in creating custom Docker Images using Docker files. Experience working on several Docker components like Docker Engine, Hub, Container, and Docker Registry. Worked on various tools which include Build Tools-Maven, Continuous Integration Tools-Jenkins and Servers-Apache Tomcat, Automation Tool-Ansible. Experience in working with version control systems like GIT and used Source code management tools like GitHub. Responsible for creating repositories and branches in GIT. Working knowledge on merging code lines in the GIT and resolved all the conflicts raised during merges. Extensive experience in using MAVEN as build tools for building of deployable artifacts (jar, war & ear) from source code. Good Knowledge on AWS Services like EC2, VPC, Auto Scaling, S3 and Elb. Good experienced in using Build and Automation tools like Ant, Maven Good experience with Continuous Integration Tools like Jenkins

Technical Skills

Operating Systems : UNIX, Linux

Version Control Tools : GIT, GITHUB

Build Tools : Ant, Maven.

Continuous Integration Tools : Jenkins

Scripting Languages : SHELL

Configuration Management Tools : Ansible

Containerization Tool : Docker and Kubernetes

Cloud Technologies : AWS , GCP

Application Server : Tomcat

Web Server : Apache

Work History

**Jan 2017 -
Current**

Senior DevOps Engineer

Gavs Technology , Chennai, Tamil Nadu

Project#2:

Project Name : Travel RP
Description:
· Travel RP is a Booking Engine, which can be prepared as an atomic place for doing booking of Air and Non-Air transportation, Hotels, Sightseeing, cruise like different modules are involved
· It's a fully automated booking system where the user can get the details of availability and fares from online /offline mechanism through GDS and private database
· The system provides the facility to set up the product, company, client and supplier based on the contract policies and also concentrate different business
Responsibilities:
· Automating infrastructure provisioning in AWS cloud with Ansible
· Writing playbooks for configuration changes and application upgrades
· Created individual roles for each task so that we can call them from playbooks
· Setting up the new build environment for various applications in the Linux environment
· Maintain server loads across all environments
· Used GIT in creating the packages, snapshots, branches for developers in version control
· Administrated all aspects in GIT and troubleshoot with merge conflicts
· Worked on weekly merges for different branches and resolved the conflicts as part of release activities
· Handling all phases of Build activities
· Creating new jobs in Jenkins and managing the build-related issues
· Monitoring daily builds using continuous integration tool Jenkins
· Creating and maintaining Continuous Build Process Documentation
· Implemented rapid-provisioning and life-cycle management for Linux using Ansible, and custom Shell scripts
· Worked closely with software developers and DevOps to debug software and system problems
· Implemented a continuous deployment system with Jenkins
· Used Maven as a build tool on Java projects for the development of build artifacts on the source code

- Worked with cloning code from GIT repositories and had experience in checkout to the branches
- Builds are developed by using the MAVEN tool and Jenkins is used in the Continuous integration server
- Worked with the configured and maintained Jenkins to implement the CI process and integrated the tool with Maven to schedule the builds
- Trouble shouted Build and Deployment Issues, with little downtime
- Coordinating with the Development team to fix the Build related issues
- Created Docker images from scratch customized and modified base images from existing environment configurations and maintained the image repo for development teams
- Worked with Docker containers which are lightweight and fast for reducing the cycle time of development, testing, and deployment,
- Helping users on Day-to-Day activities involving Check In, Check Out, View problems, and access problems.

Project#1:

Project Name : Charter Communications
Description:
- Charter communication is an American cable telecommunications company, which offers their services to consumers and businesses under the branding of, Spectrum
- Providing services to 5.9 million customers in 29 states it is the third-largest, in the United States

Responsibilities:
- Performed all System Administration tasks like cron jobs, installing packages, and patches
- Performing tape backups, archiving, and checking data integrity through Shell Scripts and job automation
- Installed, Configured, and Administered Jenkins continuous integration tool
- Supported and developed tools for Integration, Automated Testing, and Release Management
- Used GIT as source code repositories
- Used Jenkins for Continuous Integration and deployment into Tomcat application server
- Git Administration including creating branches, tags, user and group account requirements, resolution of user access issues, and responsibility for data security
- Administered local and remote servers using SSH (secure shell) tool on daily basis
- Deployed enterprise J2EE applications that involve EAR files in Web Sphere Application Server on various environments including Production, UAT and Testing
- Worked as part of Release Management Team to send the Deliveries to client by creating Delivery Note/Release Note
- Configured GIT with Jenkins and schedule jobs using Poll SCM option
- Automated the project's build process using Jenkins
- Created MAVEN build scripts for different projects and keeping them consistent and up to date
- Monitoring and responding to problems reported on dashboard and email including generic build failures, attention to detail/standards for maintaining cohesive source structure, build and packaging scripts

Education

BBA
A.V.C College of Engineering, - Bharathidasan University

MBA
Kanchi Pallavan College Engineering, Anna University - Kanchipuram