Devanandha K

DevOps Engineer

Dedicated **AWS DevOps** engineer with 4 years of experience in designing, implementing, and managing cloud-based infrastructure and deployment pipelines. Proven track record of optimizing efficiency, scalability, and reliability in software delivery processes. Seeking to contribute my expertise to a dynamic team focused on driving continuous improvement and innovation.

# * Profile Summary

* Worked extensively with version controlling system **GIT**
* Created **GIT Branches, Tags** for new releases, and **merging** process.
* Experience using maven build tool for the building of deployable artifacts from source code.
* Experienced in **CI (Continuous Integration)** and **CD (Continuous Deployment)** methodologies with **Jenkins Build Tools**
* Created **Ansible playbooks** and **Ansible roles** for configuring applications like Tomcat, Apache
* Used **Ansible** to simplify the repetitive, complex, and strenuous tasks that bring substantial time savings and increases overall productivity
* Operated on **Docker** to implement and improve the monitoring and alerting.

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# Education

* 2017: B.sc **(Maths)** from SGS arts College SVU with 76.03%
* 2014: 12th from SGVS Junior College, Rayachoty, A.P with 75.3%
* 20012: 10th from Govt. High School, Veligallu, A.P 63%

# Core Competencies

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| * Solution Installation & Configuration |
| * Application Deployment |
| * Application Maintenance & Troubleshooting |
| * Requirements & Procedure Design |
| * Requirement Gathering |
| * Business Transaction Monitoring |
| * Production Systems Architecture & Design |
| * System Maintenance & Evolution |

* + Have Good working experience on the docker images ,docker container, and Creating the docker compose file for different versions.



* + Experience in code coverage and code quality Analysis tools like SonarQube.
  + Experience in maintaining application server like Apache Tomcat.
  + Good experience on Amazon Web Services (AWS), Creating EC2 instance and configuring all necessary services.
  + Creating S3 buckets in the AWS environment to store files, which are required to serve static content for a web application.
  + Experience in managing IAM users &groups creating s3 buckets, Bucket Policies, lifecycle policies and object level permissions.
  + Experience in EC2, Load balancer, Auto Scaling, Cloud watch.
* Showcased knowledge and understanding of software testing methodology and best practices while maintaining and enforcing quality standards
  + Code versioning, source control using GIT.

# Work Experience

## Project :1

**Company Name** : **Deloitte**

**Role** : Cloud Devops engineer

**Technologies** : Git, Maven, Docker, SonarQube, Jenkins, ECS, ECR, AWS ,Cloud Formation.

## Roles:

* + Experience in implementing **CI/CD** and infrastructure management.
  + Having good exposure in Jenkins for CI (Continuous Integration) and CD for (Continuous Delivery).

# Technical Skills

* OperatingSystems:

## Linux,Windows

* VersionControlSystemTool:

## Git

* ContinuousIntegration:

## Jenkins

* BuildTools:

## Maven

* ConfigurationManagementTool:

## Ansible

* ContainerizationTool:

## Docker

* ArtifactoryRepository:

## Nexus

* CodeQuality:

## Sonarqube

* ApplicationServers:

## ApacheTomcat

* + Strong working knowledge on GIT.
* Scripting**:**

**Shell, Basic Python**.

* Cloud Services:

**AWS, EC2.VPC,S3,Migration**

**Personal Details**

* Date of Birth: 14st June 1996
* Languages Known:English, Telugu
* Address: Sivapuram(Vi),Peddamandyam(M d.),Chittoor(Dt.), A.P.
  + Experience in deploying the application/artifacts in web applications using pipelines through Jenkins.
  + Experience in deploying artifact in targeted environment.
  + Participate in building the DevOps Platform with DevOps tools.
  + Experience in writing ansible playbooks with different modules and executing the playbooks.
  + Experience in writing playbooks with loops and variables and executing the playbooks.
  + Knowledge in provisioning instances/servers through **Terraform.**
  + Incharge of building and deploying the **Docker Containers** in theprod uction, pre-production, stress, and stage environment
  + Assembling of Jenkins jobs for the CI/CD process
  + Making use of **AMIs** to create **EC2** instances
  + Connecting an **EC2 i**nstance to an **S3 Bucket**
  + Creating an AMI by running instances in accordance with the require ments
  + Establishing user-profiles and granting **DEV** and **QA** users access inJenkins
  + Adding additional jobs to **Jenkins** and managing build- related problems
  + Installing a **Plug-in in Jenkins** in accordance with the project's needs
  + Establishing a track record deploying **Tomcat Application Servers**
  + Using configuration management tools like **Ansible** to install, configure, and maintain various programs
  + Writing Ansible Playbooks experience

## Project :2

**Company Name** : **Deloitte**

**Role** : Build & Release, DevOpsEngineer

**Technologies** : Linux, BitBucket, Maven, Nexus, Jenkins, SonarQube, Tomcat,Ansible**.**

## Roles:

* + Taking actions related to **Version Control Tool bitBucket ’s Branching**

and Release

* + Building **CI/CD Pipelines** using **Jenkins and Bit Bucket Integration**
  + Using **Maven, Github**, and **Jenkins** to automate the development and deployment process
  + Incharge of building and deploying the **Docker Containers** in theprod uction, pre-production, stress, and stage environment
  + Assembling of Jenkins jobs for the CI/CD process
  + Making use of **AMIs** to create **EC2** instances
  + Connecting an **EC2 i**nstance to an **S3 Bucket**
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  + Establishing user-profiles and granting **DEV** and **QA** users access in Jenkins
  + Adding additional jobs to **Jenkins** and managing build- related problems
  + Installing a **Plug-in in Jenkins** in accordance with the project's needs
  + Establishing a track record deploying **Tomcat Application Servers**
  + Using configuration management tools like **Ansible** to install, configure, and maintain various programs
  + Writing Ansible Playbooks experience
  + Proficiencyin CI/CD stage implementation using the Ansible Playbook.