

Sai Kumar Reddy
DevOps Engineer
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PROFESSIONAL SUMMARY:

Over 3+ years of substantial IT experience with expertise in AWS cloud services, DevOps, Build and release Engineering, Cloud Infrastructure, Automation and Micro services technologies like Docker

- ❑ Experience in Infrastructure Development and Operations involving AWS Cloud platforms, EC2, EBS, VPC, AWS CLI ELB, Auto scaling, Cloud Watch, SNS, and Route S3.
- ❑ Expertise in DevOps automation tools like Git, Maven, Jenkins, Apache Tomcat, Ansible, and Docker.
- ❑ Worked on Multiple AWS EC2 instances, set the security groups, Elastic Load Balancer and AMIs, Auto Scaling to design cost effective, fault tolerant and highly available systems.
- ❑ Experienced with AWS VPC systems administration and security making subnets, set up Peering, Network ACL's, Cloud Formation, EC2, VPCs and AWS organizing parts.
- ❑ Experience in managing and maintaining IAM policies for organizations in AWS to define groups, create users, Assign roles and define rules for role-based access to AWS resources.
- ❑ Automation of AWS resources by using AWS Lambda.
- ❑ Expert experience in containerized deployments using Docker.
- ❑ By using Cloud watch scheduling tasks gather logs generated by applications and we can also set Alerts, Alarms and also creating topics, subscribing users to the topic and configuring Email alerts using AWS SNS.
- ❑ Developed Templates for AWS infrastructure as a code using Terraform to build staging and production environments.
- ❑ Registering new domain names and Route internet traffic to the resources for domains by using AWS Route 53.
- ❑ Creating snapshots and Amazon machine images (AMIs) of the instances for backup and creating clone instances.
- ❑ Experience in Monitoring teams to identify and troubleshoot issues on servers using tools like CloudWatch.
- ❑ Good knowledge in maintaining Git Repositories such as GitHub
- ❑ Strong background in Branching, Merging, Tagging, and maintaining the versions across the environments using SCM tools like GIT (GitHub, BitBucket).
- ❑ Coordinate developers with establishing and applying appropriate branching, labeling / naming convention using GIT and BitBucket source control.
- ❑ Extensive experience using MAVEN as build tool for the building of deployable artifacts (jar, war, ear) from source code.
- ❑ Worked on Jenkins for continuous integration and for End-to-End automation for all build and deployments.
- ❑ Experience in deploying WAR, JAR, and EAR files in Apache Tomcat servers in LINUX environment.
- ❑ Worked with Docker and created multiple containers and images and had experience on writing the Docker file.
- ❑ Used Ansible as configuration management tool and also used for continuous deployments.
- ❑ Good interaction with developers, managers and team members to coordinated job tasks and strong commitment to work.
- ❑ Ability to learn and master new technologies and also to deliver outputs in short deadlines.
- ❑ Passionate to work on technical challenging projects.
- ❑ Experience working with Docker containers, Docker file.

Education Qualification:

- **BSc Computers** from Yogi Vemana University ,Kadapa with 74%
- **Board of Intermediate Education** from Sri Chaitanya Jr College ,Tirupati with 66%
- **Board of Secondary Education** from Sri Chaitanya High School ,Vempalli with 93%

Professional Experience:

- Working as DevOps Engineer in **Tech Mahindra** from August 2018 to Till Now.
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Technical Skills:

AWS Services	EC2, ELB, VPC, IAM, Auto Scaling, AWS CLI, Route53, S3, CloudWatch, SNS, EBS, Lambda, AWS Config.
SCM Tools	Git, TortoiseSVN
AWS Infrastructure Provision	Terraform
Build Tools	Maven
Scripting Languages	Shell Scripting, Groovy
CI CD Tools	Jenkins
Configuration Management Tools	Ansible
Web Servers	Apache Tomcat
Containerization Tools	Docker
Monitoring Tools	Cloud watch, Zabbix and Solarwinds
Documentation Tools	Confluence
Artifact Repository	Nexus
Bug Tracking Tools	Jira

Professional Experience:

Client : O2
Role : DevOps Engineer
Duration : Apr 2020 to TillDate

Description:

O2 Central is a mobile network operator and the principal commercial brand of Telefonica UK Limited, which is part of the Global Telecommunications group Telefonica S.A, Headquartered in Spain and operating in Europe, and North, Central and South America.

Job Responsibilities:

- As an AWS Cloud DevOps Engineer, responsible for taking care of AWS infrastructure provisioning, day to day build and release activities. These activities include build issues, deployment issues for multiple releases like maintenance release, enhancement release, bug fixes, emergency releases.
- Written Cloud Formation Templates (CFT) in JSON and YAML format to build the AWS services of Infrastructure as a Code.

- ❑ Migrated AWS infrastructure from one AWS account to another AWS account.
- ❑ Implemented Jenkins Shared libraries from scratch with different CI and CD pipelines.(maven Pipeline, Pipeline and terraform Pipeline etc...)
- ❑ Moved all Jenkins pipeline jobs from one Jenkins server to another Jenkins server along with its Secret Credentials.
- ❑ Implemented lot of terraform modules to reuse the code.
- ❑ Implemented total CI and CD process with AWS Code Pipeline, Code Build and Code Deploy end to end.
- ❑ Created GitHub repositories to publish project documentation and integrated these repositories with Jenkins to automate.
- ❑ Written Jenkins files in groovy language to implement CI CD process.
- ❑ Integrated Jenkins and Code Pipeline with Slack channels to get alerts and resolved connectivity issues on IAM roles and resources.
- ❑ Monitoring all AWS resources and created custom dashboards using AWS CloudWatch.
- ❑ Implemented cross account access roles with suitable IAM policies in AWS.
- ❑ Granting access to the different users for GitHub/AWS/Jenkins services.
- ❑ Worked on Automation of adding resource tags to AWS resources while creation of AWS resources with CloudFormation.
- ❑ Used AWS Config as centralized dashboard to get all Compliance and non-compliance resources by creating rules.

Environment: AWS (EC2, S3, Lambda, VPC, EBS, ELB, Cloud Watch, IAM, SNS, GIT, Maven, Jenkins, Nexus, Tomcat, Docker, Kubernetes, Python, Shell Scripts, Bash Unix/ Linux environment.

Client : Telefonica Business

Role : Trainee Engineer

Duration : Aug 2018 to Mar2020

Description:

Job Responsibilities:

- ❑ Involving in Implementation of various AWS cloud Application using Amazon EC2, S3, Elastic Load Balancing (ELB), Auto scaling, Elastic Block Storage (EBS), Cloud Watch, Identity Access Management (IAM), Implementing Virtual cloud platforms using Amazon Virtual Private Cloud (**VPC**).
- ❑ Experience in AWS provisioning by creating EC2 Instances and configuring all necessary services like Security, EBS, and S3.
- ❑ Implemented & Maintained the Branching and Build/Release strategies utilizing **GIT** source code management.
- ❑ Implemented CI/CD process using Jenkins along with shell scripts to automate routine jobs
- ❑ Setup GitHub repositories, creating branches, tags, creating users and groups and assign permissions
- ❑ Configuring and setting up Jenkins created Jobs for automating the build process.
- ❑ Installing and configuring of Apache Tomcat as webserver to deploy web applications.
- ❑ Installing and configuring of DevOps tools like Git, Maven, Jenkins, Tomcat, and Docker.
- ❑ Used Maven as build tool for Java based projects and having knowledge on Pom.xml

- ❑ Creating new jobs in Jenkins and managing the build related issues.
- ❑ Used Role based strategy plug-in to assign roles to the Jenkins users.
- ❑ Experience in deploying WAR, JAR, and EAR files in Apache Tomcat servers.
- ❑ Coordinating with the Development team to fix the Build related issues.
- ❑ Implemented CI/CD process using Jenkins along with shell scripts to automate routine jobs.
- ❑ Created Jenkins pipelines jobs by using Jenkins file and also enabling build triggers to automate Jenkins jobs.
- ❑ Implemented the setup for Master slave architecture to improve the Performance of Jenkins.
- ❑ Creating CI/CD pipelines by integrating Git, GitHub, ant, maven, Jenkins, and AWS.
- ❑ Used Zabbix as monitoring tool for AWS instances.
- ❑ Solarwinds for Database Monitoring

Environment: AWS (EC2, S3, VPC, EBS, ELB, Cloud Watch, IAM, AutoScaling, SNS), GIT, Maven, Jenkins, Apache Tomcat, **Docker**, Shell Scripting.

Personal Details:

Name: P. Sai Kumar Reddy

Father Name: P. Venkata Reddy

Gender: Male

Marital status: Un-married

PAN Card Number: OOUPS3615K