JEYAPRIYA T

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# Career Objectives

To work on challenging assignments in a progressive organization that would leverage my technical experience to the fullest potential and align my growth with the growth of the Organization.

# Career Summary

Around 3.5 years of Total IT Experience as AWS DevOps Engineer in supporting, automating, and optimizing mission critical deployments in AWS, leveraging configuration management, **CI/CD**, and **DevOps** processes. Implementing cloud strategy in various environments.

Excellent skills in applying Continuous Integration, Continuous Deployment and ContinuousDelivery processes & tools [ Example: **Git, Maven, Jenkins, Apache Tomcat, Shell Scripting, Docker**, etc.]. Worked on Jenkins by installing, configuring, and maintaining for the purpose of continuous integration (CI) and for End-to-End automation for all build and deployments.

Having basic knowledge in Python.

Used **Ansible** for Configuration Management.

Managed **GitHub** repositories and permissions, including branching and tagging. Excellent working knowledge on various virtual systems/ like **Docker** technologies.

Containerizing applications with Docker. Responsible for managing the Docker private registry and having good knowledge of maintaining containers using **Docker** swarm.

Having Good experience in Amazon Web Services environment and good knowledge of AWS services like **Elastic Compute Cloud (EC2), Elastic Load Balancers, IAM, S3, Cloud Front, RDS, VPC, Route53, Cloud watch, Cloud Formation**.

Mainly Concentrated on: **EC2 (ELB, AUTO SCALING, EBS), VPC, IAM**

Utilized Cloud Watch to monitor resources such as EC2, CPU memory, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.

Actively manage, improve, and monitor cloud infrastructure on AWS, EC2 including backups, patches, and scaling.

Worked at optimizing volumes and EC2 instances and created multiple VPC’S

Implementation of **NAT gateways** for web apps hosted in private subnets. Setup and configured EIP to EC2 instances.

Created Alarms and notifications for EC2 instances using **Cloud Watch**.

Designing and Deploying Highly scalable infrastructure using **ELB** and **Auto Scaling**

Experienced in creating infrastructure using **Terraform.**

Creating S3 buckets and managing policies for S3 buckets and Utilized S3 bucket and Glacier for storage and backup on AWS.

Created AMI images of critical ec2 instances as backup using **AWS CLI** and **GUI**. Utilize EBS to store persistent data and mitigate failure by using snapshots.

Attaching or Detaching **EBS** volume to AWS EC2 instance.

Knowledge of how to configure and managing S3 storage.

Managing **Docker orchestration and Docker containerization** using **Kubernetes**.

Using **Kubernetes** to orchestrate the deployment, scaling and management of Docker Containers.

Ability to Configure and troubleshoot **RIP, RIPV2, EIGRP, OSPF** routing protocols. Implementing VLAN across the server & client forms.

# Skill Set

|  |  |
| --- | --- |
| **Cloud Technologies** | : AWS (Amazon Web Services) EC2, VPC, IAM, S3, CLOUD WATCH |
| **DevOps Technologies** | : Terraform, Jenkins, Ansible, Docker, GIT, Kubernetes, python. |
| **Web Server** | : APACHE |
| **Protocols** | : TCP/IP, SSH, HTTP, HTTPS, OSPF, SMTP, RDP. |
| **OS Platform** | : Linux, Windows |

**Work Exposure**

**Organization : Ziisoft Nano Technologies Role :** DevOps Engineer

**Date Joined : April 2019 to present**

# Professional Experience

**AWS DevOps Engineer Responsibilities:**

Create and maintain fully automated CI/CD pipelines for code deployment.

Actively manage, improve, and monitor cloud infrastructure on AWS, EC2 including backups, patches, and scaling.

Used **Ansible** for Configuration Management and having good knowledge

Automated build and deployment using **Jenkins** to reduce human error and speed up production processes.

Managed GitHub repositories and permissions, including branching and tagging.

Containerizing applications with Docker. Responsible for managing the Docker private registry and having good knowledge of maintaining containers using Docker swarm.

Moderate exposure of Python Technologies.

Works on AWS Services but Mainly Concentrated on: **EC2 (ELB, AUTO SCALING, EBS), VPC, IAM.** Setup/Managing VPC, Subnets; make connection between different zones; blocking suspicious IP/subnet via ACL.

Setup/Managing CDN on Amazon Cloud Front to improve site performance.

Creating/Managing AMI/Snapshots/Volumes, Upgrade/downgrade AWS resources (CPU, Memory, EBS).

Utilized Cloud Watch to monitor resources such as EC2, CPU memory, EBS volumes; to set alarms for notification or automated actions; and to monitor logs for a better understanding and operation of the system.

Jenkins is used as a Continuous Integration tool for automation of daily process. Maintaining the source code in GIT for various applications.

Administered merge, build and deployment of the codes to all the environments.

Responsible for the Plug-in Management, User Management, Build/Deploy Pipeline Setup and End- End Job Setup of all the projects

# Education

Bachelor of Information and Technology (IT) – Kamaraj College of Engineering and Technology

# Personal Details

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| **Father’s Name** | : THALAMUTHU |
| **DOB** | : 13 - Apr -1998 |
| **Nationality** | : Indian |

**Place: Chennai (T. JEYAPRIYA)**