Sai Naveen Sistla   **sainaveen.s@outlook.com**

Mobile +91-9494809712

Professional Summary:

✔ Having around **2+ years of experience** and around **1 years of experience** in **AWS Cloud** and Support and Maintenance in environments like Red Hat Enterprise Linux, Centos, Ubuntu and focus on **DevOps** tools and **AWS Cloud Architecture**.

✔ Having Experience on **Terraform Modules.**

✔ Created **Terraform** Modules and Tested through **Jenkins** Jobs on Different Versions and Regions.

✔ Setup/Managing Linux Servers on Amazon **(EC2, EBS, ELB, SSL, Security Groups and IAM**) using Terraform.

✔ Experience in working on **AWS** and its services like **IAM, VPC, EC2, EBS, S3, ELB, Auto Scaling, Cloud Formation, Route 53, Lambda, Elastic Beanstalk and SNS** and create custom sized VPC**,** Subnets**,** EC2 instances, ELB and Security groups.

✔ Designed highly available, cost effective and fault tolerant systems using multiple EC2 instances, Auto Scaling, Elastic Load Balancer and AMIs.

✔ Establishing connectivity to AWS Resources in another **VPC** in another region using AWS **VPC Peering**.

✔ Configured **S3 buckets** with various life cycle policies to archive the infrequently accessed data to Storage classes based on requirement.

✔ Creating alarms in **Cloud watch** service for monitoring the server performance, CPU Utilization, disk usage.

✔ Used **Amazon RDS** to create a snapshot and automate backup of the database.

✔ Experience on **DevOps** essential tools like **Docker**, **GIT**, **Jenkins** to AWS and Managed Services like **EC2, S3, Route53, ELB, EBS**.

✔ Experience in Version Control DevOps tools like GIT, Github.

✔ Experience in DevOps tools like Ansible, Chef, Docker, Puppet, Kubernetes.

✔ Good Hands on experience in creating Jenkins jobs, plug-in installations, haproxy, setting up distributed builds using master/slave concepts.

✔ Automated deployment of builds to different environments using **Jenkins**.

✔ Experienced in using Build Automation scripting like **Maven** as build tools for building deployable artifacts (JAR, WAR) from source code.

✔ Experience in using **Apache** web server and **Nginx** for deployment and reverse proxy

Work Experience:

✔ Working as **Assistant Engineer** in Axiscades Technologies Pvt.Ltd from October-2019 to till date.

Technical/ Functional Summary:

Operating systems	Ubuntu, CentOS, RHEL, Windows
Version Control Tools	GIT
CI/CD tools	Jenkins
Application server	Apache, Nginx
Build Tools	Ansible, Chef, Docker, Kubernetes, Maven
Cloud Platform	Amazon Web Services: Elastic Compute Cloud (EC2), Simple Storage Services (S3), Virtual Private Cloud (VPC), Elastic Load Balancer (ELB), IAM Roles, Users, Profiles, Elastic IP's, Terraform, Route53, CloudFormation.

Roles & Responsibilities:

✔ Setting up **EC2 instances** and prerequisites on the instances for deploying the applications.

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

✔ Responsible for infrastructure setup on AWS for staging & Live websites.

✔ Designing and deploying **AWS** solutions using EC2, S3, Elastic Load Balancer (ELB), Auto scaling groups.

✔ Experienced in creating multiple **VPC**s, public, private subnets as per requirement and established connectivity to AWS Resources in another VPC in another region using **AWS VPC** Peering.

✔ Used Security groups, **N**etwork **ACL**'s, Internet gateways and Route tables to ensure a secure zone for organization. Used **Github** repository to run **Jenkins** job for Continuous Integration.

✔ Write **Terraform** scripts from scratch for building Dev, Staging and Production environments.

✔ Developed Ansible Plays to configure, deploy and maintain software components of the existing infrastructure.

✔ Responsible for creating Jenkins Pipeline for deployment using **Ansible.**

✔ Created Terraform Modules and Tested through Jenkins Jobs on Different Versions and Regions.

- ✔ Installing and Configuring Jenkins, installing plug-in, configuring security, creating a master and slaves for implementation of multiple parallel builds.
- ✔ Designed and documented CI/CD tools configuration management.
- ✔ Automated deployment of builds to different environments using **Jenkins**.
- ✔ Responsible for installation & configuration of Jenkins to support various Java builds and Jenkins plugins to automate continuous builds and publishing Docker images to the Nexus repository.
- ✔ Experience in **Docker** like creating Dockerfile, Docker images, containers, tagging and pushing to Docker Hub.
- ✔ Implemented Microservices in load balanced, highly available, fault tolerant **Kubernetes** infrastructure.

Projects on AWS DevOps :

Project 1: Deploying a Multi-tier website using AWS EC2
Industry: Internet-related

Topics: In this AWS project I have launched an EC2 instance without the need to invest in hardware upfront, so I could develop and deploy applications faster. I could use Amazon EC2 to launch as many or as few virtual servers as needed, configure security and networking, and manage storage. Amazon EC2 enabled me to scale up or down to handle changes in requirements or spikes in popularity, reducing your need to forecast traffic.

Roles and Responsibilities: Launch an EC2 Instance

Enable Auto Scaling of EC2

Create an RDS Instance

Allow traffic from EC2 to RDS Instance

Project 2: Website Orchestration Industry:
Internet-related.

Topics: In this AWS project I had deployed a high-availability PHP application with an external Amazon RDS database to Elastic Beanstalk. Running a DB instance external to Elastic Beanstalk decouples the database from the lifecycle of your environment. This lets me connect to the same database from multiple environments, swap one database for another, or perform a blue/green deployment without affecting your database. **Roles and Responsibilities:**

Launch a DB instance in Amazon RDS

Create an Elastic Beanstalk Environment

Configure Security Groups and Scaling

<u>Educational Qualification</u>:

B. Tech (Mechanical Engineering) completed in 2019 from JB Institute of Engineering and Technology, Hyderabad with 73.8%.
Intermediate completed in 2015 from B.I.E, Andhra Pradesh with 94.6% marks.
SSC completed in 20133 from Board of secondary education, Andhra Pradesh with 9.5 CGPA.

Personal Details:

Father's name	: S Rama Krishna
Date of birth	: 03/11/1997
Gender	: Male
Marital status	: Single
Nationality	: Indian
Languages Known	: English, Telugu, Hindi
Address of Correspondence	: Hyderabad

Declaration:

I hereby, declare that the above information is true to the best of my knowledge and belief.

Sai Naveen Sistla