Santhosh B
Total Exp: 6 Years
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Professional Summary:

- Dynamic DevOps professional with over 5+ years of experience specializing in cloud infrastructure, automation, and security in AWS and Azure and on-premises (hybrid) environments.
- Exceptional Skills in Container technologies, AWS ,GCP and Azure Cloud, Linux Administration, CI/CD Integration, working in fast paced Agile Environment.
- Expert in containerization with Docker, orchestrating with Kubernetes, and managing infrastructure as code with a strong focus on Terraform for AWS and other cloud providers.

TECHNICAL SKILLS:

Source Code Management: Github, GitLab
Containerization Tool: Docker, Kubernetes, ECS
AWS Services: EC2, VPC, IAM, ELB, Lambda
IAC Tools: Ansible, Cloud Formation & Terraform
Operating System: Windows, Linux (RHEL & Ubuntu)
Cloud Platform: AWS, Azure Cloud, GCP
CI/CD Tool: GitHub Actions, Azure Devops, Jenkins
Code quality check Tool: SonarQube
Container Management Tool: Portainer
Scripting Languages: Bash, Python
Monitoring and Logging: Splunk, App Dyamics, Grafana
Networking: TCP/IP, TLS, DNS, VPN, Load balancer, SSL

WORK EXPERIENCE:

TPT Techno Solutions - Chennai Oct 2017 – Present
Designation: Senior Devops Engineer

- Engineered a production-grade, 3-tier SaaS infrastructure on AWS using Terraform, reducing provisioning time by 40% and supporting scalable deployment pipelines across dev, UAT, pre-prod and prod.
- Achieved and maintained **99.99%** uptime as per SLA for client ad campaigns using scheduled scaling and infrastructure event management resulting in **15%** increase in successful ad deliveries, overseeing all infrastructure management, and debugging.
- Cut infrastructure costs by **$1,700/month (20%)** by analyzing workload patterns and resizing compute(t4g.xlarge) across dev and UAT, increasing resource efficiency.
- Built a bash script to **automate** the reporting process to create a Redshift cluster with two nodes to **reduce the cost by 50%** by eliminating the secondary node from the production cluster permanently and adding it during the script when it's required.
- Boosted API performance and reliability by **30%** through optimized load balancing strategies and fine-tuning of AWS service configurations.
- Created and maintained GitLab (CI/CD) pipelines for continuous build, testing, and deployment automation for microservices, pulling Docker images from private registries, and deploying them into EKS, for preproduction and production environments.
- Designed high availability and business continuity solutions using self-healing architectures, fail-over routing policies, multi-AZ deployment of EC2 instances, ELB health checks, Auto Scaling, and other disaster recovery models.
- Optimized developer/Software Engineering team workflow, enhancing scalability, speed, and end-user experience.
- Deployed applications into the AWS Cloud using Amazon EC2, AMI, VPC (Virtual Private Cloud), IAM, AWS S3, lambda, RDS, API, ALB, CloudWatch, and Route53.
- Improved database efficiency by migrating databases from **on-premises** to the cloud, providing support for SQL & NoSQL databases such as MySQL, DynamoDB, PostgreSQL, & MongoDB.
- Implemented robust monitoring and logging solutions using Grafana, enabling proactive system monitoring, issue identification, and performance Optimization.

Project1: Deployed a multi-tier PHP and MySQL application on AWS EKS with AWS fargate, configuring user access controls RBAC, NFS storage with static volumes, and verifying dependencies. Restricted deployment to different namespaces with maximum quotas. Implemented secrets for sensitive data and configmaps for non-sensitive data. Managed the Kubernetes cluster using kubeadm, kubectl, kubelet, and Docker.

Project2: Liberty Mutual Implemented infrastructure automation using Terraform to provision a centralized server for Jenkins, facilitating efficient deployment and management of AWS infrastructure components. Utilized Terraform to launch a VPC, Public and Private subnet along with the EC2 instance, installed Jenkins, Java, and Python on the instance using Ansible, and ensured seamless integration with existing infrastructure. Demonstrated proficiency in Terraform, Ansible, AWS, and key automation tools.

ACT FIBRENET - Chennai, India

Designation: Network Engineer – Technical Support Engineer Aug 2017 - June 2021

- Reduced fault rate in high-issue networks by 40% through root cause analysis and infrastructure redesign; supervised field teams to implement optimized routing solutions within strict deadlines.
- Supervised on-site engineers during network rectification, ensuring timely completion of tasks.

Certifications & Awards:

Certifications-:

- AWS - Solution Architect(Udemy)
- HashiCorp Certified: Terraform Associate(Progress)
- CISCO Certified Network Associate – CCNA

Interpersonal Skills:

- Strong problem-solving skills
- Proven ability to collaborative with others
- Excellent communication skills

Awards-

- **Customer Delight ->** Received for doing multiple POCs and getting good feedback, appreciation from engagements.
- **Hero Of the Cluster ->** Received for good work performance in the project.

Visa Status: Holding Post Study Work visa up to December 2026.

EDUCATION:

D.E.C.E from **Panimalar polytechnic College, Chennai** 2014 to 2017