Tharun Sai Panchumarthi

Cloud Engineer

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PROFESSIONAL SUMMARY:

With extensive experience in cloud infrastructure management, I specialize in building secure environments within VPCs, automating cloud operations, and maintaining compliance with security standards. My responsibilities include disaster recovery planning, cost optimization, and monitoring system health. I collaborate with development teams for updates, manage backups, and perform cloud platform upgrades. My work also focuses on optimizing resource utilization, managing cloud lifecycle tasks, and ensuring efficient billing strategies.

TECHNICAL SKILLS:

Cloud Environments	Amazon Web Services (AWS)
Configuration Management Tools	Terraform, Ansible, Chef
Containerization Tools	Kubernetes, Docker, OpenShift, Elastic Kubernetes Services (EKS)
Virtualization	Windows Hyper-V, Virtual Box, VMware
Operating Systems	Linux (Red Hat), Unix, Ubuntu, Windows
Database	MongoDB, MySQL, PostgreSQL, Amazon Aurora, DynamoDB, Cassandra
Scripting languages	Python, JavaScript, Ruby, Bash shell, Power shell, JSON, groovy
Build tools	Maven, Gradle, ANT
Version Control Tools	GIT, Bitbucket, SVN, GITLAB, GITHUB
Log and Monitoring Tools	Splunk, Nagios, CloudWatch, ELK, New Relic, Dynatrace

PROFESSIONAL EXPERIENCE:

DXC Technology   **Aug 2022 - July 2023**

Role: Senior Assistant Service Delivery Coordinator (AWS Cloud Ops Engineer)

Responsibilities:

- Experience major public cloud AWS services like EC2, S3, IAM, Load Balancers, Route53, CloudWatch, VPC, Cloud Trail, Lambda function, SNS, SQS, Service Catalog, ACM, etc.
- Kafka topic creation and adding ACLS and Creating Cloud Watch Events. Design, implement and maintain all AWS infrastructure and services within a managed service environment.
- Design, Deploy, and maintain Enterprise class security, Network, and Systems management applications within an AWS environment.
- Daily Operations providing smooth delivery to the customers. Make sure always SLA is met 100%.
- Coordination on customer escalation, process improvements and to make sure that server is up and running 24/7.
- Creating New Instances in Amazon Web Services Management Console and Cloning the Existing Instance.
- Troubleshooting the ongoing AWS issues problems within the SLA.
- Deploying/Hosting Applications on the servers.
- Creating users, roles, and profiles, assigning roles and profiles to users.
- Taking Backups of Amazon Machine Images from running Instances and working with snapshots of the volumes.
- Working with Elastic Block Store like attaching EBS volumes to Instances, detaching volumes, and expanding EBS volumes. Restart the ECS container through the lambda function.

- Able to update the parameters in the task definition. Good in handling the ECS containers stop and start activities as per requirement.
- Experience in Production Change calls/ Bridge calls and performing the activities as per client requirement
- Good experience in Certificate creation and renewal through ACM.

Environment: Amazon EC2, Amazon ELB, RDS, S3, Route 53, Terraform, AWS IaaS, Kubernetes, Jenkins, Python, Shell scripting, microservices architecture, Linux, Dynatrace

EDUCATION:

- **Master of Science** in Advanced Data Analytics – University of North Texas – Denton, Texas.
- **Bachelors** in computer science – Sir C R Reddy College – Eluru, India.

PROJECTS:

- ITO/Cloud Platforms - Western Union Cloud Delivery - Hybrid Cloud
- Design and Development of an Online Doctor Appointment System