TECHNOLOGY ANALYST – AWS DevOps Engineer

Name: MAHALAKSHMI S **Email ID** : **mahaasenthil1104@gmail.com**

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SUMMARY

- Over 3 years of experience in IT industry as AWS DevOps Engineer implementing AWS Cloud strategy in various environments and DevOps principles in developing **CI/CD pipelines** by utilizing tools like **GitHub, Jenkins, Terraform, Docker and Ansible.**
- 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.**
- Utilized **Cloud Watch** to monitor resources such as **EC2, CPU memory, EBS volumes**- to set alarmsfor notification or automated actions; and to monitor logs for a better understanding and operation of the system. Utilize **EBS** to store persistent data and mitigate failure by using **snapshots.**
- Creating **S3 buckets** and also manage policies for S3 buckets and **Glacier** for storage and backup on AWS, created **AMI images** of critical ec2 instances as backup using **AWS CLI and GUI.**
- Worked at optimizing volumes and **EC2** instances and created multiple **VPC'S.**
- Actively manage, improve, and monitor cloud infrastructure on AWS, EC2 including backups, patches, and scaling.
- Familiarity with a broad portfolio of AWS infrastructure tools (EBS, S3, EC2, Elastic IP, Route 53, VPC).
- Have experience in production support and managing/administrating platforms or orchestration of Container platforms.
- Exposure to technical analysis, impact assessment documentation and Agile Implementation techniques for faster and smooth delivery.

EXPERTISE:

Cloud Tech	AWS EC2, S3, IAM, ELB, EBS, Amazon Glacier
Networking Tech	Amazon VPC, Subnets and Route53
Programming	Java(Basics), Python(Basics), HTML, CSS, SQL
Automation Tools	GitHub, Jenkins, Terraform, Docker and Ansible
Monitoring Tools	Amazon Cloud Watch, Splunk, AppDynamics
Ticketing Tools	JIRA, ITAM, HP QC
Protocols	TCP/IP, SSH, HTTP, HTTPS, SMTP, RDP.
Operating System	Linux and Windows

WORK EXPERIENCE:

Organization	Location	From	To	Designation (Role)
Infosys Limited	Chennai, India	Oct 2021	Till Now	Technology Analyst
Infosys Limited	Chennai, India	Jan 2021	Oct 2021	Senior Systems Engineer
Infosys Limited	Chennai, India	May 2019	Jan 2021	Systems Engineer
Infosys Limited	Mysore, India	Nov 2018	May 2019	Systems Engineer Trainee

CLIENT PROJECT DETAILS:

Description:

      To work on all aspects of software development, delivery with experience of working in software development cycle for Australian telecommunication company and to work on data mismatch, open order issues and the existing process on daily basis.

<u>Project 1:</u>

Project Name	:	Telstra
Project Role	:	AWS Devops Engineer
Team size	:	8

Roles and Responsibilities:

- Experience in VPC, Subnet, Internet Gateway, Route table, NAT Gateway, Direct Connect, VPC Peering, IAM, KMS, SSL, Cost Explorer, S3, EC2, ELB, CloudWatch, CloudTrail, SES, SQS, Trusted Advisor, CloudFormation, Route53, Autoscaling and Load balancer.
- Create S3 buckets and S3 life cycle management for old data and logs.
- Also adding EBS and EFS whenever required. Worked on migration VMware virtual machines to AWS using SMS and VM import.
- Develop CI/CD pipelines for internal business units
- AWS CLI commands with different services, AWS EC2 and load balancer script using Terraform.
- Maintaining IAM policies for organization in AWS to create users, groups and define rules for role based access to AWS resources.
- Build a strong and high-quality DevOps application
- Set up secure windows, Linux, and container infrastructure to advance performance
- Improve cloud platform for increased delivery speed and product flexibility
- Develop self-service infrastructure provisioning, delivery pipelines, log and monitoring services.
- Monitor, fix, and improve infrastructure continuously
- Used Agile methodology and JIRA to track issues and change Management.
- Configured cloud trail and monitoring AWS resources using AWS cloudwatch.
- Installing and configuring GIT, Jenkins, Deployment and automation.
- To configure and maintain codebase to support the build and deployment of code on servers, supporting the developers in configuration management environment.
- Jenkins is used as a Continuous Integration tool for automation of daily process.
- Maintain GIT Repositories, Handling Releases and Branching activities for Github.
- Verify Deployments logs to check for successful deployments and keeping track of Release files for every release.
- Understanding the client environment, Administrating and creating solutions using AWS services, CI/CD, GIT, Dockers.
- Configuring Jenkins job with related plugins for Testing, Artifactory, and Continuous Deployment to accomplish the complete CI / CD.
- Writing the playbooks using ansible for provisioning servers
- Analyze and fix the data issues that are reported by customers within the given SLA.

CERTIFICATIONS:

- Certified AWS Cloud Practitioner
- Certified Agile Developer
- Certified Kanban Developer
- Certified in IoT Professional, Oracle Industry Solution Professional

ACADEMIC QUALIFICATION:

Year of Completion	Class / Course	Name of the Institution	Percentage (%)/ CGPA
2012	Class X	Our Lady's MHS School	92
2014	Class XII	Our Lady's MHS School	88
2018	B.Tech – ECE	Dr.M.G.R Educational & Research Institute	90

PERSONAL DOSSIER:

Father Name   : Mr. A. Senthil Kumar
Gender   : Female
Date of Birth   : 08 July 1997
Strength   : Strong Organisational skill,Resourceful, Adaptable & Agile
Languages Known   : English, Tamil, Hindi(Read,Write) and French(Read,Write)
Extracurricular activity : Athlete, Olympiad winner, Spellinc cracker
Address   : 145,Avvai Street,Thiruvalleswarar Nagar,Thirumangalam,Chennai-40

DECLARATION:

I, Mahalakshmi S, hereby declare that the information provided is true to the best of my knowledge.

Date: **Signature**

Place: **(Mahalakshmi S)**