

Logesh S

Cloud and Infrastructure Engineer

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Medium blog link: <https://medium.com/@logesh81098>

Credly link: <https://www.credly.com/users/logesh-shanmugavel>

Portfolio Link: <https://logesh-shanmugavel-portfolio.netlify.app/>

Career Objective:

Actively looking for a DevOps Engineer position and am highly interested in Cloud security and Kubernetes. I want to pursue a challenging career where I can offer my knowledge and abilities to the organization's success.

Projects on AWS:

1. Dynamically copying files from S3 bucket to EFS filesystem

Blog link: <https://medium.com/@logesh81098/copy-files-from-s3-to-efs-using-lambda-via-terraform42174ea6c0ff>

2. Deploying AWS Infrastructure using Terraform and Automating it via GitLab CI/CD pipeline

Blog Link: <https://medium.com/@logesh81098/creating-aws-infrastructure-using-terraform-and-deploying-it-via-gitlab-ci-cd-pipeline-f6c0e247f339>

3. Recognizing faces using AWS Rekognition Service

Blog Link: <https://medium.com/@logesh81098/face-recognition-using-aws-rekognition-service-6505c6d7a324>

4. Free Portfolio Website using S3 bucket and Netlify

Blog Link: <https://medium.com/@logesh81098/automated-portfolio-website-deployment-using-aws-s3-netlify-terraform-and-github-actions-b0a8ab50aa66>

Work Experience and Skill sets:

Experience: *Cloud and Infrastructure Engineer in Indicia Worldwide: 2023 June – Present*

Ticket Handling: As an L2 Engineer, I acknowledge requests across the business using ticketing solutions such as Jira and Service Desk Plus.

Project Management: Using AWS Cloud Formation to deploy new AWS infrastructure and modify the existing infrastructure. We write the code locally and push it to the remote using Git. We use GitHub to manage our source code.

We are using Ansible to install systemctl service created by our engineers to the application server.

I wrote a Bash script for automation. One of the examples created a script with the help of ChatGPT. via AWS CLI commands to list all instances in our numerous AWS environments via a centralized NOC server.

Cost optimization: I wrote a Bash script to generate a list of unmounted volumes and instances in the available and stopped, then decommissioned it.

Monitoring and Logging: Configuring disk, CPU, and memory monitors using AWS CloudWatch and third-party tools like Datadog, Zabbix, and New Relic. Using these monitors, perform log analysis to troubleshoot and optimize performance.

Troubleshooting and Debugging: Troubleshooting the GitHub Action Workflow, resolving Ansible and CloudFormation deployment issues

Experience: Associate Engineer at Citrus Consulting Service: 2022 November– 2023 May

Ticket Handling: As an L2 Engineer, I acknowledge requests across the business using ticketing solutions such as Service Desk Plus and SolarWind.

Project Management: Overseeing and providing technical support for the client's infrastructure using AWS services such as EC2, S3, VPC, TGW, IAM, ELB, Route 53, CloudWatch, Lambda, RDS, and Directory Services.

Patching Linux servers installed on AWS using automation services like as Step Function, SSM document, and Lambda Function.

Cost optimization: Set up automation for stopping and starting the DEV and QAT environments using AWS services Lambda, Step Function, Event Bridge, and SSM document.

Performance: Optimizing AWS performance through fine tuning configurations, implementing auto scaling mechanisms and optimizing resource allocation

Monitoring and logging: Configured disk, CPU, and memory usage monitors in AWS CloudWatch and other third-party tools such as Zabbix and New Relic. Using these monitors, perform log analysis to troubleshoot and optimize performance.

Troubleshooting and Debugging: Clearing disk space alerts by adjusting volume and deleting unneeded files, updating the configurations of EC2 and RDS.

Experience: Graduate Trainee at Citrus Consulting Service: 2021 November– October 2022

Ticket Handling: As L1 support acknowledging the requests from Clients via ticketing tools (Service Desk Plus, Solar Wind).

Project Management: Implementation of CyberArk (PAM Solution) Installation and Configuration of five components of CyberArk on Windows Servers.

Onboarding users, Accounts (Windows, Linux, SSH key, Website hosted account) and Platform (Customize according to the environment) for CyberArk

Monitoring and Logging: Onboarding new clients in Microsoft Defender O365 and Configuring Rules & Filter for it. Monitoring logs and alerts through Microsoft O365 defender. Blacklisting and whitelisting of domains, emails and collaborations, customizing DLP policies on Microsoft O365 compliance centre and monitoring the endpoints firewall status, anti-virus status

Experience: SOC Trainee at Aptus Software Labs: 2020 December – 2021 October:

- Installing new packages in the Linux system and learning about it.
- Applying GPO's to Windows Servers.
- Collect the Open-Source Information about Targets using various Open-Source Tools.
- Perform Vulnerability Assessment on the Target, Identifying Severity and examining it.
- Performing Vulnerability scan using Nessus, OpenVAS, NMAP
- Working on GRC tool (Eramba) and Applying Policies, Governance and Controls.

Cloud Platform and DevOps Tools:

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|--------------|------------------|------------------|----------|
| • AWS | • Azure | • Terraform | • Docker |
| • Kubernetes | • Ansible | • Bash Scripting | • GitHub |
| • GitLab | • GitHub Actions | • Jenkins | |

Hands-on Experience with AWS Services:

- EC2
- Route53
- CloudTrail
- Secret Manager
- S3 Bucket
- VPC
- CloudWatch
- DynamoDB
- RDS
- Lambda
- EventBridge
- EFS
- CloudFormation
- IAM
- StepFunction
- CloudFront

Monitoring Tool:

- Datadog
- Zabbix
- New Relic
- Prometheus
- PagerDuty
- Grafana

Certifications:

- Kubernetes and Cloud Native Associate
- AWS Cloud Practitioner
- Udemy Certified - AWS Solution Architect Associate.
- CyberArk Certified Trustee
- Ansible for Absolute Beginner – KodeKloud

Education:

- Bachelor of Engineering in Electronics and Communication Engineering – Jansons Institute of Technology, Coimbatore. Batch 2020 (6. 78 CGPA)