

# 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/>

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### 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.

### Cloud Platform and DevOps Tools:

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

### Hands-on Experience with AWS Services:

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

### Ticketing and Monitoring Tool:

#### Monitoring Tool:

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

#### Ticketing Tool:

- Jira
- Slack
- Manage Engine Service Desk Plus
- Solar Wind

### Certifications:

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

## Projects on AWS:

1. Dynamically copying files from S3 bucket to EFS filesystem using Lambda function, deployed this infrastructure using Terraform

**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. Creating Free Portfolio Website using AWS S3 bucket, Netlify and automating the deployment process via GitHub Action CI/CD Pipeline

**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: 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.

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

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

**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 and Filter for it. Monitoring logs and alerts through Microsoft O365 defender. Blacklisting and whitelisting of domain in emails and collaborations, customizing DLP policies on Microsoft O365 compliance center and monitoring the endpoints firewall status, anti-virus status

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

**Ticket Handling:** As L2 support acknowledging the requests from Clients via ticketing tools (Jira, Service Desk Plus).

**Project Management:** Managing and giving technical assistance and support to clients' infrastructure using various AWS services such as EC2, S3, VPC, TGW, IAM, ELB, Route 53, CloudWatch, Lambda, RDS, and Directory Service.

Patching Linux servers deployed on AWS using Automation with services includes Step Function, SSM document and Lambda Function.

**Cost Optimization:** Configured Automation for Stop and Start of DEV and QAT environment with 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:** Configuring Disk, CPU and Memory monitor on AWS CloudWatch third party tools like Zabbix and New Relic. Using these monitors performing log analysis for troubleshooting and performance optimization.

**Troubleshooting and debugging:** Clearing Disk space alerts by modifying volume and removing unwanted files, Updating the configuration in EC2 and RDS

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

**Ticket Handling:** As L2 support acknowledging the requests within organization via ticketing tools (Jira, Service Desk Plus).

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

Using Ansible, we are deploying the systemctl service generated by our engineers to the application server.

Writing Bash Script for automation. One of the examples have made a script with help of ChatGPT using AWS CLI commands to list all the instance in our multiple AWS clouds using a centralized NOC server

Creating and Managing Users, Forms, Service Desk Dashboard and Automation tickets in Jira Software and Confluence

Creating Jenkins pipelines for Automation.

Basic knowledge on Snowflake Cloud Data tool (Create user, Delete User and Verify Job History)

Creating basic architecture in Matillion ETL Software with connection components like SharePoint, MS Excel etc...

**Cost optimization:** Create a Bash script to generate a list of unmounted volumes and instances in the available and stopped stage and decommissioned it.

**Monitoring and logging:** Configuring disk, CPU, and memory monitors on AWS CloudWatch using third-party applications such as Datadog and PagerDuty. Using these monitors, perform log analysis to troubleshoot and optimize performance.

**Troubleshooting and debugging:** Troubleshooting Jenkins Pipeline, resolving Ansible and CloudFormation deployment errors

**Education:**

- Bachelor of Engineering in Electronics and Communication Engineering – Jansons Institute of Technology, Coimbatore. Batch 2020 (6.78 CGPA)