

Vishwa Sakthivel

As an enthusiastic candidate, I am looking for **DevOps Engineer** and **AWS Cloud Engineer** role. I excel in both collaborative team settings and as an independent contributor, possessing a strong drive for **innovation**, **problem-solving**, and experience in **automation** and **troubleshooting**.

PROJECTS

Cloud Cost Optimization — AWS

Implemented Lambda function that fetches all EBS snapshots owned by the same account ('self') and also retrieves a list of active EC2 instances (running and stopped). For each snapshot, it checks if the associated volume (if exists) is not associated with any active instance. If it finds a stale snapshot, it deletes it, effectively optimizing storage costs

Kubernetes End to End Deployment — EKS

Text

Deployed a game application by creating a cluster with Fargate and utilizing replicas in deployment to ensure auto-healing and ease of auto-scaling, configured application load balancer then exposed the application to the outside world through an external IP.

End to End CICD Implementation — Jenkins

Implemented an end-to-end CI/CD pipeline for java-based application using Jenkins declarative pipelines which includes various stages such as Build, Unit testing, Static code analysis, SAST, DAST, Creation of Docker Images, Deployment on Kubernetes platform using Argo CD.

Fortified Server Network Infrastructure — AWS

Implemented a VPC with servers in private subnets and NAT which increases the resiliency and provides additional security used in the Production environment.

Data Compression for Backbone Network — MERN

As a team we developed a software solution for the **Ministry of Home Affairs** in the SIH'23, focusing on data compression, secure network data transfer through the implementation of diverse algorithms. Compressed ratios are **90%** for text, **20%** for video.

My part: **R&D, Testing, Design, Presentation**

EXPERIENCE

Technical Writer
Self-Employed

Aug 2022 - Present (Remote)

Published insightful articles on [Hashnode](#) and [Medium](#), contributing to the community's knowledge base while also enhancing my own expertise and supporting others in their learning journey.

Open-Source

Contributor, Maintainer

Aug 2022 - Present (Remote)

I worked on various DevOps and AWS Cloud projects for scripting, automating, and resource utilization and made those open to all, then managed repositories, fixed documents, and did code reviews. Helped folks to make their contributions.

PERSONAL DETAILS

- EMAIL
- LINKEDIN
- Mobile No
- GITHUB

SKILLS

AWS Cloud

Containerization – Docker

Orchestration – Kubernetes

Infrastructure as Code – Terraform

Configuration Management – Ansible

CI/CD – Jenkins, GitHub Actions

Scripting – Bash

Linux- Ubuntu, CentOS, Fedora, RedHat

Version Control System – Git, GitHub

Programming Language – Java, Golang

Monitoring: Prometheus and Grafana

Documentation

EDUCATION

B. Tech Information Technology, **8.21/10**

2020 – 2024

HSC – Computer Science, **72.67%**

2019 – 2020

ACHIEVEMENTS

Top 5 Finalist of Smart India Hackathon,

Dec – 2023

Tutor – In Linux and Network's hands-

on workshop, Nov – 2022

RHCSA Trained – Gained hands-on

experience with Linux, Mar – 2022

PAPER PRESENTATION

2nd International Student Conference
– *Presenter*

CI/CD Orchestration for a Helpline
Application – Dec 2023

LANGUAGES

English and Tamil.