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# Selvakumar S

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**2023 - Present**      **DevOps Engineer**@itTrident Software Services

**2021 - 2022**      **Junior DevOps Engineer**@itTrident Software Services

## Open-source Projects

**Ansible-Role-Uguu**      <https://github.com/s3lva-kumar/ansible-role-uguu>  
This role installs uguu. Uguu is a simple lightweight temporary file hosting and sharing platform, but can also be used as a permanent file host

**Ansible-Role-GoCD**      <https://github.com/s3lva-kumar/ansible-role-gocd>  
This is the role to install GoCD(CI/CD tool) with server and agent.

**Terraform-Linode-Faasd**      <https://github.com/s3lva-kumar/terraform-linode-faasd>  
faasd Terraform plan targeting the Linode Cloud, It will be create the infra and install the faasd.

**K8s-manifest-iris-web**      <https://github.com/s3lva-kumar/iris-web>  
This is the Kubernetes manifest designed to deploy the iris-web application.

## Education

**2018 – 2021**      **Bachelor of Science (Computer Science)**  
Thiru A Govindaswamy Govt. College of Arts

## Key Skills

**AWS   GCP   Terraform   Jenkins   K8s   Helm   Docker   CloudFlare   Linux   DataDog   Ansible**

## Awards and achievements

**2023**      Awarded for the month of April: iOS deployments

**2022**      Awarded for the month of November: Created a serverless framework configuration file to facilitate the deployment and management versoins of the Lambda function.

**2022**      Awarded for the month of August: Developing an API which switches development environment ECS clusters on and off at the users discretion written using the FastAPI framework.

**2022**      Awarded for the month of March: Constructed AWS infrastructure using CloudFormation, Terraform as code (IaC) and established a CI/CD pipeline with GitHub Actions

# Career History

**2022 - Present**

**DevOps Engineer** at itTrident Software Services

## Projects

### Global Crossing Airlines

Trailblazed the grassroots CI/CD pipeline bridging of a stack made up of ReactJS, Strapi CMS, & Serverless Framework (MW) w/ GH Actions, Infra provisioning (IAM, S3, etc) via CF and Terraform, TaskDefinition & Container Deployments in ECS. The foundations entailed choosing a AWS service which strook the right balance supporting such a workload, Husky hooks to ensure commit messages are consistent across branches. Secured the Dev & QA ecosystems by placing them behind context-aware access policies blanketed by the Cloudflare One SASE platform.

- \* Implemented CloudFormation IaC and Terraform tempate for setting up Infra on an AWS
- \* Built full VPC and loadbalancer setup by Terraform Plan and store the terrafrom state file at S3 to maintain the state of the setup
- \* Manage the GitHub repos and access
- \* Manage the AWS account and SSO access
- \* Configured the Sonarcloud for static code analysing
- \* Configured trivy vulnerability scanner on pipeline for analyse the Docker Images vulnerability
- \* Implemented initial CI/CD using GitHub Workflows
- \* Deployed the application on ECS Faragte
- \* Setup AutoScaling and LoadBalancer for the application
- \* Configured the Domain with SSL to the applications
- \* Migrated the Domain from GoDaddy to Cloudflare
- \* Written the Python API for manipulating the ECS fargate servers
- \* Implement the Fatlane configuration files for deploy and manage the iOS and Android application
- \* Configured App registor setup on AppStore and Google play for place the iOS and Android app
- \* Implement the CI/CD GitHub Workflow for manage the iOS and Android deployment
- \* Built the serverless file for deploy and manage the some middleware Lambda function
- \* Implemented the Redis server with Lambda fucntion for cache some data