Selvakumar S

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2023 - Present	**DevOps Engineer**@itTrident Software Services Working on the DevOps team
2021 - 2022	**Junior DevOps Engineer**@itTrident Software Services

Open-source Projects

Ansible-Role-Uggu	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 fassd.
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 grassroot 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