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# Selvakumar S

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`selvakumar.space` `s3lva-kumar` on GitHub `s3lva.kumar@protonmail.com` +91 8870-433-253

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| <b>2023 - Present</b> | <b>DevOps Engineer</b> @itTrident Software Services<br>Working on the DevOps team |
| <b>2021 - 2022</b>    | <b>Junior DevOps Engineer</b> @itTrident Software Services                        |

## Open-source Projects

|                               |   |
|-------------------------------|---|
| <b>Ansible-Role-Uguu</b>      | <a href="https://github.com/s3lva-kumar/ansible-role-uguu">https://github.com/s3lva-kumar/ansible-role-uguu</a><br>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 |
| <b>Ansible-Role-GoCD</b>      | <a href="https://github.com/s3lva-kumar/ansible-role-gocd">https://github.com/s3lva-kumar/ansible-role-gocd</a><br>This is the role to install GoCD(CI/CD tool) with server and agent.  |
| <b>Terraform-Linode-Faasd</b> | <a href="https://github.com/s3lva-kumar/terraform-linode-faasd">https://github.com/s3lva-kumar/terraform-linode-faasd</a><br>faasd Terraform plan targeting the Linode Cloud, It will be create the infra and install the faasd.                                    |
| <b>K8s-manifest-iris-web</b>  | <a href="https://github.com/s3lva-kumar/iris-web">https://github.com/s3lva-kumar/iris-web</a><br>This is the Kubernetes manifest designed to deploy the iris-web application.   |

## Education

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| <b>2018 – 2021</b> | <b>Bachelor of Science (Computer Science)</b><br>Thiru A Govindaswamy Govt. College of Arts |
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## Key Skills

AWS GCP Terraform Jenkins K8s Helm Docker CloudFlare Linux DataDog Ansible

## Awards and achievements

|             |  |
|-------------|--|
| <b>2023</b> | Awarded for the month of April: iOS deployments  |
| <b>2022</b> | Awarded for the month of November: Created a serverless framework configuration file to facilitate the deployment and management versions of the Lambda function.              |
| <b>2022</b> | 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. |
| <b>2022</b> | 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 fuction for cache some data