

HARI KARTHIGASU

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PROFILE

I am a driven, ambitious, highly competent and organized DevOps Engineer passionate in the latest technologies with more than half a decade of experience from the retro data center to trendy cloud and Kubernetes. Who believes in "Share and Gain". Enjoy writing tech blogs, participating in meetups and conferences.

TECH SKILLS

Linux	Jenkins GitOps	Python Go (Beginner)	AWS Azure	Kubernetes Helm	Ansible Terraform	Docker Kaniko	Prometheus Grafana	Git
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WORK EXPERIENCES

7 Years



Lunatech Labs

2018 Jan - Present

DevOps Engineer

2018 Jan - Present

ACDC is a standardized, unique, trustworthy and secure analytics platform for all Volkswagen-group brands in all relevant regions/markets.

- Implemented Kubernetes PoC and showed the possibilities of migrating existing platforms to Kubernetes from D2IQ.
- Investigated and migrated Docker image build Jenkins jobs to Kaniko from DinD/DooD which is less secure and vulnerable.
- Migrated monitoring and alerting solution to ELK from Data Dog.
- Designed and implemented CI/CD concept for Kubernetes app deployment using Jenkins and ArgoCD.
- Implemented Chartmuseum on ECS Fargate to store helm charts using terraform.
- Provide support to the Dev team whenever an issue arises.



Pearson

2017 Feb - 2018 Dec

Cloud Operations Engineer

2017 Oct - Dec

Bitesize is Pearson's Environment and SDLC framework for applications on public cloud. including orchestration and management.

- R&D on the latest monitoring and alerting tools for Kubernetes. Such as Prometheus, TICK stack and CoScale to find out the proper solution for the PAAS (Hosted on AWS and running as Kubernetes cluster) and finally implemented Prometheus.
- Designs customized Grafana dashboards for clients based on the requirements and automates the process.
- Analyze the services running on the PAAS, filter out which needs monitoring, find out relevant exporters and automate the implementation of those exporters using Ansible, Terraform and Python. Exporters such as, Consul, Vault, cfsst, s3 and cloudwatch and make sure those are functioning as expected, retrieving metrics.

- Calculates the thresholds, write the rules based on the metrics retrieved, categorize the severity and routing them into channels. Such as Pagerduty and Slack.
- Provides 24x7 support for the PAAS, applications running on the PAAS, closely work with clients to resolve their problems and incidents by troubleshooting at Kubernetes and AWS level and onboard new clients to the PAAS.

Associate Application Engineer (DevOps)

2017 Feb - 2017 Sep

- Provided support for Pearson's HigherEd applications namely Datahub Adapter, IML, Learning studio and Storefronts.
- Configured Jenkins CI/CD and deployed application's releases through Jenkins.
- Updated Ping Federate identity cluster of Pearson's Learning studio platform.
- Troubleshoot and resolved incidents of applications that are hosted on Pearson data centers and AWS.



hSenid Mobile Solutions

2013 May - 2017 Feb

Systems Engineer (Implementation)

2016 Sep - 2017 Feb

- Planned and implemented housekeeping scripts for RHV Openstack implementation for M1 Singapore Telco.
- Find out required initial housekeeping scripts for the environment and developed them using Python and verified the functionalities and confirmed works as expected.

Associate Systems Engineer (Implementation)

2014 Sep - 2016 Aug

- I worked as a leading Implementation Engineer for the project of Globe USSD. Globe, the leading Telco service providers in the Philippines. I stayed almost a year in the Philippines for project completion.
- Designed Network and Application (3 tier) architecture and implemented on Globe's data center.
- Linux server hardening, housekeeping scripts deployment and tested end to end connectivity (SS7, SCTP, HTTP level)
- Configured RHEL OS Cluster, Mongo replication, MySQL cluster for HA of application and data respectively.
- Prepared staging, prod environments deployed applications releases and conducted successful UAT with client team
- Successfully migrated user data from existing / retired system (Oracle -> MySQL)
- Closely worked with clients and successfully completed GoLive

Trainee Software Engineer

2013 May - 2014 Aug

- The entry point of my career, Developed test automation tools for critical telco products of Sri Lanka. Such as Dialog SMSC, Dialog WebRTC, and Etisalat E-wallet.
- Implemented automation SMPP client using Cloudhopper library and API calls automation using Python libraries.
- Designed test cases, test suites, closely worked with dev teams and tested, made sure stability of the applications
- Implemented, maintained QA, staging environments
- R&D on test automation tools

CERTIFICATIONS

Certified Kubernetes Administrator (CKA-2000-005648-0100)

2020 - 2023

Microsoft Azure Fundamentals

2020

AWS CSAA (AWS00447850)

2018 - 2020

RHCSA (Cert ID: 160-235-867)

2016 - 2019

MongoDB for DBAs Certification (4729a07c04784b4187d5d33501b58cb4)

2016

EDUCATIONAL QUALIFICATIONS

B.Sc Special (Hons) in Information Technology (SLIIT)

2010 - 2014

Ranabima Royal College

2001 - 2009

REFEREES

References available upon request