**Satheesh Prabhakaran Venkatasamy**

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# Professional Summary

Highly skilled Engineer having more than 5 years of experience knowledge in Devops, SDN/NFV, Cloud and Virtualization Technology. Have excellent analytical, problem-solving skills and a strong ability to work with minimal supervision.

# Core Qualifications

* Better knowledge in cloud like Openstack, AWS and AZURE.
* Good understanding in SDN/NFV and Telecom Domain.
* Solid development skills in Python and Shell script.
* Proficient with Ansible, Terraform and Chef deployment tool.
* Worked in platform like Windows and Linux platform(Ubuntu/Centos/Redhat).
* Knowledge in Devops Tools like Git, Gerrit, Jenkins, GoCD, TFS/VSTS and Packer
* Experience in logging tools like Elasticsearch, Logstash, Fluentd, Kibana and Syslog.
* Working experience in monitoring tools like Nagios, Prometheus, Grafana and Zenoss.
* Open Source tools like Nginx, High Availability, Keepalived, Memcached, OVS, RabbitMQ, Blackbox and Corosync.
* Containerizing application using Docker, Linux Containers and Kubernetes along with helm templating tool.
* Worked in storage cluster CEPH.
* Basic understanding in VMWare, Gitlab CI and Bitbucket CI.

# Overall Experience:

**Company: KLA (April 2019 – Current)**

## Project: Retail Project (August 2017 – April 2018)

* Working ad Devops Engineer Lead in Automation Team.
* Administrating Jenkins for multiple teams.
* Creating pipeline using Pipeline script and testing suite using Cake Script.
* Infrastructure fully based on Nutanix Cloud managed by Morpheus.

**Company: Thoughtworks (August 2017 – March 2019)**

## Project: Deltatre (May 2018 – March 2019)

* Replatforming the dotnet application to dotnet core and converting all services to microservices.
* Implementing microservices architecture using Docker and Kubernetes.
* Architecting and implementing Kubernetes in self hosted VM’s and Azure container services.
* Continuous Integration of code base using TFS/VSTS.
* Continuous Deployment of Microservices in QA, UAT, Staging and Production Kubernetes cluster using TFS.
* Templating Kubernetes yaml file using Helm Tool and TFS inbuild plugins.
* Securing SSL certificates and Secrets using Blackbox tool.

## Project: Retail Project (August 2017 – April 2018)

* Worked as Devops Engineer to make ensure attain proper CI/CD environment.
* Configuring and managing deployment using GoCD and Jenkins build tool.
* Automating the deployment of Windows based application in AWS cloud.
* Migrating all the application from AWS to Azure.
* Worked in developing terraform templates to automate Azure provisioning.
* Building golden images using packer and terraform to reduce the deployment time.

# Company: Tata Consultancy Service (October 2013 – August 2017)

## Project: SDN/NFV, Comcast

* Building environment for SDN Controllers like Versa.
* Deploying and configuring Openstack Private Cloud using Ansible.
* One of the contributors in open source community for Openstack and Ansible.
* Worked in deploying Openstack inside Linux containers using Ansible.
* Hands-on experience in using several Openstack API’s using Python.
* Implementing tunnel network using OVS.
* Development of SDN Controller Deployment tool using Python.
* Worked in developing End to End Testing tool to test the SDN Orchestrator using Python.
* Implemented Dev-Ops model in building SDN Environment and Orchestrator.
* Worked with storage cluster like CEPH for providing scalability in Openstack.
* Implementing High Availability in the Openstack cluster along with monitoring tools like Nagios and Zenoss tool.
* Implemented logging tools to monitor the Openstack, SDN and Orchestration tools using
* Elasticsearch, Logstash, Kibana and Syslog.

# Certifications:

* RED HAT CERTIFIED SYSTEM ADMINISTRATOR IN RED HAT OPENSTACK (RHCSA)
* Cisco Certified Network Associate (CCNA)

# Education:

**Bachelor of Technology**- **Information Technology** 2013, Government College of Technology, Coimbatore.