

SRIPATHI KAMMARI

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Github Profile : <https://github.com/ksripathi>

OBJECTIVE

Looking for DevOps engineer position where I can apply my technical abilities to the best of my knowledge and to improve my career growth along with the organizational growth

PROFESSIONAL SUMMARY

- 3.3 years of experience as a DevOps and System Engineering on multiple flavors of GNU/Linux.
- Experience on building end-to-end micro services (RESTfull APIs) using python's Flask, Tornado frameworks
- Experience on developing web applications using MVC frameworks (AngularJS)
- Expert on using Git Version Control System for projects
- Experience on writing the automation scripts using Python and Shell
- Extensive experience on virtualization technologies Vagarnt, OpenVZ, Virtualbox, KVM and Docker
- Experience in building network clusters
- Extensive experience on LAMP stack, Nginx, DNS, DHCP and Router configurations
- Experience on LDAP configuration
- Experience with Ansible configuration tool and used for automation of network clusters
- Experience on working with ELK stack (Elasticsearch, Logstash and Kibana) used for log analysis
- Experience on AWS cloud EC2, VPC
- Experience on OpenEdx platform setup and configuration

EDUCATION

Bachelor of Technology in Computer Science and Engineering May 2010 - May 2014

AP IIIT (RGUKT - R.K Valley)

Rajiv Gandhi University Of Knowledge Technologies, CGPA: 7.52/10.00

PUC (10+2) in M.bi.P.C September 2008 - May 2010

AP IIIT (RGUKT - R.K Valley)

Rajiv Gandhi University Of Knowledge Technologies, CGPA: 8.05/10.00

SSC, Class X March 2007 - March 2008

Vivekananadha Vidhyalayam, Gandhari, Kamareddy, Telangana, 80.33%

PROFESSIONAL EXPERIENCE

International Institute of Information Technology, Hyderabad Sep 2014 - till date
VLEAD, Virtual Labs *Mid-Level Project Engineer (3.3 years)*

Description : Virtual Labs is a mission mode project funded by Ministry of Human Resource Development (MHRD), INDIA. Professors and Students from various institutes develop labs based on various courses. Our team is central team for all other institute's (IITs and NITs) and we provide engeneering service like lab life cycle management and hosting platform to other teams

Roles and Responsibilities:

- Build end-to-end micro services on demand for Virtual Labs project needs using literate programming
- Responsible for deploying applications on testing, staging (IIIT-H servers) and production environments (AWS)
- Package management using vagrant, docker and VirtualBox
- Configuration of CI/CD tools
- Management of LDAP, DNS records
- Writing database backup, restore and migration scripts
- Maintenance of Github organization repositories and release management
- Maintenance of Network architecture
- Helping team to increase their technical skills to achieve better outcomes

Contributions :

- Implemented Auto Deployment Service for Virtual Labs
- Implemented Web portal for outreach activities
- Implemented several micro services using python's Flask framework
- Contributed for building network architecture for hosting of Virtual Labs and automated using Ansible tools
- Configured Google OAuth and Mozilla Persona authorization for micro services

PROJECTS

College Cloud Platform

Description : This project aims to provide the platform through which users can access the applications labs without internet connection

Technologies Used : Vagrant, VirtualBox, OpenVZ, Ansible, DNS, DHCP, Router and OpenEdx Platform

Auto Deployment Service

Description : This project facilitates continuous deployment for all Virtual Labs

Technologies Used : Python's Tornado framework, REST API, JSON, BOTO library

Analytics Service using ELK stack

Description : This project provides all the analytics of virtual labs platform

Technologies Used : Elasticsearch, Logstash, REST API, JSON, python's Flask framework

Lab Data Service

Description : This project provides all the data about the labs

Technologies Used : python's flask, SQLAlchemy(ORM), JSON, REST API

Web Portal

Description :

This application provides interface to conduct outreach activities

Technologies Used : AngularJS, Flask, REST API, JSON

INTERNSHIP/TRAINING

RSS Feed Reader

July 2015 - April 2016

- This application is used for fetch the RSS feeds from other websites and aggregates all at one place

TECHNICAL SKILL SET

Programming Languages	Python, Shell, Java (Core)
MVC Frameworks	Flask , Django and AngularJS
Protocols and APIs	JSON, REST
Editor tools	GNU Emacs
Servers	Apache, Nginx, DNS (Bind) and DHCP
Automation tools	Ansible, make
Databases	MySQL, NoSQL
Data Analytics Stack	ELK (Elasticsearch, Logstash and Kibana)
Web Technologies	HTML, CSS, Javascript, JQuery and PHP
Version Control Systems	Git (Github, Gitlab and Bitbucket)
Virtualization	Vagrant, VirtualBox, KVM, OpenVZ, Docker
Cloud Computing	AWS (EC2, VPC)
Continuous Integration	Travis CI, Jenkins
Other tools	Redmine, MediaWiki

OTHER ACTIVITIES

Attended IEEE conference

Attended several workshops

Volunteer for Election committee

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REFERENCES

Github : <https://github.com/ksripathi>

Gitlab : <https://gitlab.com/ksripathi>