

SRIPATHI KAMMARI

H.NO 1-3-235 TO 236 Chandishwari Nilayam, Kawadiguda, Secuderabad, 500080

+91 9440739965 ♦ kammari.sripathi@gmail.com

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 in developing end-to-end micro services (REST APIs, JSON) using python's Flask, Tornado frameworks
- Experience in developing web applications using MVC frameworks (AngularJS)
- Expert in using Git Version Control System for projects
- Experience in writing automation scripts using Python and Shell
- Expert in developing applications in Literate model using GNU Emacs org-mode
- Extensive experience in Virtualization technologies Vagarnt, OpenVZ, Virtualbox, KVM and Docker
- Experience in working with AWS cloud platform service EC2 and have knowledge on other services
- Experience in deployment of python and php based application/services on AWS cloud and other platforms using Auto Deployment services, Jenkins and Travis CI
- Experience in monitoring servers/services using Nagios tool
- Experience in building network cluster models
- Extensive experience in configuration of LAMP stack, Nginx, DNS, DHCP, SSH, Router and other servers
- Experience in writing firewall (IPtable) rules for CentOS
- Experience in LDAP configuration and accounts management
- Experience in working with Ansible configuration tool for automation of network nodes configuration
- Experience in working with ELK stack (Elasticsearch, Logstash and Kibana) which is used for server log analysis
- Experience in setting up OpenEdx platform, course management, customizing APIs.

EDUCATION

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| Bachelor of Technology in Computer Science and Engineering AP IIIT (RGUKT - R.K Valley) Rajiv Gandhi University Of Knowledge Technologies, CGPA: 7.52/10.00 | May 2010 - May 2014 |
| PUC (10+2) in M.bi.P.C AP IIIT (RGUKT - R.K Valley) Rajiv Gandhi University Of Knowledge Technologies, CGPA: 8.05/10.00 | Sept 2008 - May 2010 |
| SSC, Class X Vivekananadha Vidhyalayam, Gandhari, Kamareddy, Telangana, 80.33% | March 2007 - March 2008 |

PROFESSIONAL EXPERIENCE

International Institute of Information Technology, Hyderabad
VLEAD, Virtual Labs

Sep 2014 - till date
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 organization (VLEAD) is central team for all other institutes (IITs and NITs) and we provide them engineering services like lab life cycle management, hosting platform and others

Roles and Responsibilities:

- Develop end-to-end micro services/web-applications on demand for Virtual Labs project using literate programming model (using GNU Emacs org-mode)
- Responsible for deploying the applications/services on testing, staging (VLEAD servers) and production environments (AWS EC2)
- Responsible for monitoring, maintenance of testing, staging and production servers
- Release management of Github projects
- Packaging servers/services using vagrant, docker and VirtualBox
- Writing Adapters for management of VMs on AWS EC2, OpenVZ platforms using Python's BOTO library
- Configuration of CI/CD tools
- Management of DNS servers
- Writing backup, restore, migration of databases and YML scripts
- Administration of Github organization repositories email, LDAP accounts and others
- Maintenance of Network architecture server nodes
- Guiding team members

Contributions :

- Implemented multiple adapters in Auto Deployment Service for Virtual Labs to deploy labs/services on various platforms (AWS EC2 cloud, OpenVZ platform and others)
- Developed several end-to-end level web portals which are useful to MHRD team, INDIA for visualizing the analytics of labs and information such as user feedback, user interests and other details of workshops
- Implemented outreach, feedback, lab-data-service and analytics micro services using python's Flask framework and ELK stack
- Contributed for building the network architecture for hosting of Virtual Labs and automated the same using Ansible tool
- Configured Google OAuth and Mozilla Persona authorization system for micro services

Technologies Used : Python, Flask, Shell, MySQL, NoSQL, AngularJS, HTML, CSS, JavaScript, REST API, JSON, Vagrant, VirtualBox, KVM, OpenVZ, Docker, AWS EC2, Apache, Nginx, SSH, DNS, Nagios, Ansible, ELK stack, IPtables, Emacs, Org, Sphinx and LDAP

INTERNSHIP/TRAINING

Spoorthi Communications Pvt Ltd, Hyderabad

Media10

May 2013 - July 2013

Summer Intern (2 months)

Description : Media10 is an organization under Spoorthi Communications Pvt Ltd. It is responsible for giving computer software support to 10tv media channel. It provides all the engineering services required to run 10tv Telugu new channel

TECHNICAL SKILL SET

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| Programming Languages | Python, Shell, Java (Core) |
| MVC Frameworks | Flask and AngularJS |
| Protocols and APIs | JSON, REST |
| Editor tools | GNU Emacs |
| Servers | Apache, Nginx, DNS (Bind), Firewall (IPTable) rules 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

- Participated in IEEE 2015 conference in Warangal, India
- Participated for DevCon Hyderabad 2017 conference held at Hyderabad, India
- Given several demos for multiple workshop events held at VLEAD, IIIT-H office
- Volunteer multiple times for By Election in India
- Participated 15 days industry oriented summer camp conducted by Swecha organization
- Volunteer in 30 days Virtual Labs integration workshop held at IIT-Gawhati
- Volunteer for Research and Development show case held at IIIT-Hyderabad college

PERSONAL PROFILE

DOB : 25 July 1993

Marital Status : Single/Unmarried

Father's Name : Sudershan

Languages known : Telugu, English and Hindi