MADHAVI PULIRAJU

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Github Profile : `https://github.com/madhavipuliraju`

PROFESSIONAL SUMMARY

- 5+ years of experience as a DevOps and system engineering on multiple flavors of GNU/Linux systems

- Proficient in GNU/Linux, BASH and Python

- Proficient in Git and Github VCS

- Experience with Agile software development methods

- DevOps using Ansible, Vagarnt, OpenVZ, VirtualBox

- Experience with Micro Service Architectures

- Full stack development using Python, AngularJS, JavaScript, CSS and HTML

- Experience in AWS cloud services EC2, VPC and knowledge on other services

- Experience in deployment of services/applications on AWS cloud and in other platforms using Auto Deployment services and Jenkins

- Experience in configuration and automation of network cluster (10+ VMs) nodes using Ansible

- Expert in programming using Literate Programming model with GNU Emacs org-mode

- Proficient in working with GNU Emacs editor as IDE for development

- Impleneted Microservice oriented Applications using Python Flask, SQLAlchemy(ORM), JSON, REST API and Python Unittest.

PROFESSIONAL EXPERIENCE

VLEAD, IIIT-Hyderabad, India   Dec 2013 - Till date
Project Engineer   *(5.8 years)*

Roles and Responsibilities :

- Develop end to end micro services and web applications using literate programming model (using GNU Emacs org-mode)

- Setup continuous integration pipeline for projects (100 + VMs)

- Release and source code maintenance of Github repositories

- Monitor and maintenance of test, stage and production servers (100+ VMs)

- Configuration of CI and CD tools

- Writing backup, restore and migration scripts in shell and python.

- Administration of Github organization repositories.

- Configuring Google Oauth authentication and Google maps service to the Applications.

TECHNICAL SKILLS

Operation Systems	GNU/Linux and Windows
Programming Languages	Python (Flask), BASH Shell and Java (Core)
Web Technologies	AngularJS, DOM, HTML, CSS, JavaScript, JQuery and PHP
Protocols and APIs	JSON, REST
Servers	Apache and Nginx
Automation tools	Ansible
Build tools	Makefile
Databases	MySQL, NoSQL
Version Control Systems	Git (Github, Gitlab and Bitbucket)
Virtualization	Vagrant, VirtualBox and OpenVZ
Cloud Computing	AWS (EC2, VPC)
Continuous Integration	Jenkins
Other tools	GNU Emacs and Redmine

EDUCATION

Bachelor of Technology in Computer Science and Engineering   June 2009 - May 2013
Bhoj Reddy Engineering College for Women
JNTU, Percentage:70.8

CERTIFICATION COURSES

- AWS certified Solutions Architect - Associate 2018

- REST API with Flask and Python

- Python and Django full stack developer bootcamp

- Linux Tutorials and Projects