

Linux Admin & Developer

RAVI H. BHURE

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:: Objective

Use my skills and knowledge of fault tolerant solutions for day-to-day maintenance of mission critical production infrastructure.

:: Qualification

- Graduation in B.A. from SRTM University, Nanded (Maharashtra) India.

:: Certification

- **RHCE (Red Hat Certified Engineer)**
Score 100%
Certificate # 804007281824691
- **RHCT (Red Hat Certified Technician)**
Score 80%
Certificate # 604006177999439

:: Open Source Contribution

- My portfolio: www.ravibhure.com
- Ansible: [HAProxy Module](#), [OMD Inventory Plugin](#)
- Rightscale: [cookbooks](#)
- Social Coding : <https://github.com/ravibhure>
- Blog: can be found at IndianGNU.org community and example11.com
- Find me @freenode #chef, #haproxy, #ansible, #check_mk

:: Conferences

http://mathias-kettner.com/check_mk_konferenz_2015_vortrag_05.html

:: Professional expertise: (10+ years)

- **Ubuntu, CentOS**
 - Installation & Configuration of Server.
 - PXE + Kick start installation.
 - Apache Web server (LAMP setup)
 - Software Load Balancer HAProxy. (High Availability)
 - MySQL/PostgreSQL for database. (High Availability)
 - Monitoring tools – Nagios, Check_MK, Zabbix, SNMP, tcpdump (CLI)
 - CM/Orchestration – Chef, Ansible, Puppet and Jenkins
 - Virtualization – Vagrant, Docker, LXC, ESXi
 - Cloud Computing – AWS, Rackspace, Openstack, DigitalOcean
 - Performance mon tools – Graphite, Ganglia, Cacti, Munin, MRTG, collectd
 - SCM: git, svn

- Troubleshooting.

:: Experience Summary: Having more than 10+ years' experience in the field of Information Technology

- A) Company :** [OpexSoftware](#), LLC Pune
Feb – 2015 to Till date
- Designation :** Cloud Automation - Sr. DevOps Engineer
- Job Profile :** As Sr. DevOps Engineer, design and architect best suited automation platforms for customers.
Strategic and workflow document for execution plan.
Implement the provided solutions.
Mentor juniors.
- Projects :**
Automated monitoring with **OMD + Puppet** - Client [FuzeBox](#)
Design and Implementation to **Provisioning VM with VSphere SDK and AWS + deployment with Chef + CI/CD with Jenkins** - Client **NDA**
Design and Implementation server stack with **AWS + deployment with Chef + CI/CD with Jenkins and Scalr** - Client [REAN Cloud](#)
Setup test environment for test automation using **LXC and Docker** containers.
- B) Company :** [Glam India](#), Pune
May – 2013 to Jan - 2015
- Designation :** Sr. System Administrator (Working as DevOps Engineer)
- Job Profile :** As Sr. System Administrator / DevOps Engineer, responsible for design and architect Ansible automation platform,
Ansible playbooks and workflow document to configure & manage all Linux Servers located at US/UK datacenter, and Cloud Servers.
- Projects :**
Configuration management tool ([Ansible](#)) for server and application deployment across all datacenter and cloud (ie gogrid,aws and rackspace)
Written various ready to deploy playbooks using **Ansible**, which are helpful and used in deploying and setup OS and application.
Completed projects till date:
Ansible (cmd+UI) to manage server and application deployment.
Nagios + Check-mk tool to dynamically setup monitoring.
Cobbler server to manage network installation of server.
HAProxy load balancer tool build with failback support (migration).

DNS tool - BindAdmin to manage your dns.

LXC/Vagrant kickstart template to create and various scripts to manage (Docker/Virtualbox)+Vagrant containers for TDD.

Responsibilities:

- : Design of repository structure for Ansible playbooks.
- Design Ansible playbooks deployment structure.
- Deployment of various scripts in different stages of OS using automation/scripting (shell/ruby/python)
- Unit testing , Functional testing, performing tests and fixing bugs

C) Company : **Dhingana Entertainment Pvt. Ltd. Pune (www.dhingana.com)**
From Nov – 2012 to May - 2013

Designation : **Lead System Administrator**

Job Profile : As Lead System Administrator, responsible for configuration & management for all Linux Servers located at US/UK data centre, and as well as Cluster Cloud Servers hosted at Rackspace cloud and FDC datacentre.

Projects : **HAProxy** load balancer high availability using heart-beat and DNS Failover setup.
Nagios + Check-mk setup for all production server
SFTP and ProFTP setup for external customers.

Responsibilities:

- : Involved in to Infrastructure design.
- Deployment of various scripts in different stages of OS using automation/scripting(shell/ruby)
- Ensure 99% availability for servers and networks

D) Company : **Symphony Services, Pune**
From June – 2011 to Nov - 2012.

Designation : **Tech Lead - Product Development**

Job Profile : Central configuration management tool (Chef) for server & application deployment. Development of ready to use server templates (written in shell and ruby language) for Cloud infrastructure. These includes various open source solutions based CentOS / Ubuntu , deployable on multi-vendor clouds eg. Amazon, Rackspace, Google, Cloudstack, etc environment.
Client: www.rightscale.com

Projects : Hadoop(single and multi-node cluster with NameNode failback support)

PostgreSQL (standalone and Master/slave with master database server failback support).
 Tomcat7 App Server (Auto connect/disconnect to HAProxy Load Balancer) with MySQL and PostgreSQL support
 Django App Server (Auto connect/disconnect to HAProxy Load Balancer) with MySQL and PostgreSQL support
 JBoss AS 7 App Server (Auto connect/disconnect to HAProxy Load Balancer) with MySQL and PostgreSQL support
 Chef framework (Ruby+Shell+rightscale dashboard)
 Virtual Monkey Test Automation Tool - Write test cases to test and resolve the Server Template bug (if any) as well code level bug.
 See more: <https://github.com/ravibhure>

Responsibilities/specialization includes:

- : Designing the server template.
 Deployment of various scripts in different stages of OS using automation/scripting (shell/ruby)
 Unit testing , Functional testing and helping QA in their normal testing cycle by performing tests and fixing bugs.

E) Company : [Glam India](#), Pune
From Apr – 2008 to May - 2011

Designation : **Sr. Linux Administrator**

Job Profile : As Linux Administrator, configuration & management for all Linux Servers located at US/UK data centre, and as well as Cluster Cloud Servers hosted at [Amazon](#), Go-Grid Cloud and Rackspace cloud and hosting data centre.

Achievement :

- **Monitoring Server:** I have setup *Zabbix/Nagios+check_mk* as monitoring server to monitor network health, server activities, server health and related services (apache, mysql, smtp & running shell script that running on server).
- [Amazon](#) **EC2:** Installations/Administering/Implementation/Maintenance of [Amazon](#) *EC2 Instances* in [Amazon](#) *Elastic Clouds*.
- [Amazon](#) **S3:** Setting automated backup script to backup all [Amazon](#) *EC2 Instances* data on Amazon Simple Storage Service (Amazon S3).
- **MySQL Replication:** Implementation/Administering *MySQL master/slave replications*. I involved into setting up database replication for high traffic web server.
- **SMTP Server:** Configured *SMARTHOST SMTP Server* for sending mail from remote web server for new signup.

- I have configured Software Load Balancer (**HAPROXY**) for apache to balance all apache requests on node, this act as round robin scenario and setup Cluster for **HAPROXY**, to manage the failover situation.
- Setup and configured and implemented open source 'Karensansui' virtualization web-based admin control panel and user interface to manage xen virtual server.
- Implemented virtualization solution for reducing infrastructure resources, I have setup and managed VMware ESXi4 + Vcenter. Setup, setup backup for VM guest servers using 'ghettoVCB.sh'
- Setup Local Yum Repo to maintain the package version and build packages (rpm/deb).
- I am good in shell scripting, and have written shell scripts to build & configure and deployment and to maintain the server health and monitor the services.
- Implementing new open source applications to perform more with the same resources and along with the same setup.

F) Company : **[Vyom Labs](#) Pvt. Ltd. Pune**
From Oct – 2006 to March- 2008

Designation : **Engineer-Technical Support**

Job Profile : As Technical Support Engineer, covers desktop / laptops, servers, operating systems, office productivity suites, email & browser support, network & connectivity issues, line of business & custom applications.

G) Company : **RoyalDhan Online Systems Pvt. Ltd. Mumbai**
From Aug. – 2004 to Feb – 2006

Designation : **Field Engineer/Technical Support**

Job Profile : To troubleshoot Pc's hardware problem's & V.Sat, Lease line's and supporting to Online software for trading & support to Online Media software developed in Linux in all Maharashtra.

Personal Information

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