

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: [chef cookbooks and recipes](#)
- 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: (11+ years)

- **Ubuntu, CentOS**
 - Web server – Apache, Nginx
 - Databases - MySQL, PostgreSQL (High Availability)
 - Load Balancer - HAProxy. (High Availability)
 - Monitoring tools – Nagios, Check_MK, Zabbix, SNMP, tcpdump (CLI)
 - Scripting – Awesome bash, python, ruby
 - CM/Orchestration – Chef, Ansible, Puppet
 - CI/CD - Jenkins
 - Virtualization – Vagrant, Docker, LXC, ESXi
 - Cloud Computing – AWS, Rackspace, DigitalOcean
 - Big-Data – Hadoop, HBase, Zookeeper, Kafka
 - 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	:	REAN Cloud, Pune (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 Check_MK + Puppet - Client FuzeBox Smokeping Puppet module - Client FuzeBox Ansible playbook for automated deployment of micro services with docker + Swarm + Consul + CI/CD with Jenkins - Kairion Design and Implementation to Provisioning VM with VSphere SDK and AWS + deployment with Chef + CI/CD with Jenkins - Arkin Network Design and Implementation server stack with AWS + deployment with Chef + CI/CD with Jenkins and Scalr - REAN Cloud Design and Implementation TestNow infrastructure deployment with AWS + Terraform + Chef and CI/CD with Jenkins 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	:	<u>Vyom Labs</u> 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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