

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

### :: 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 [ArkinNet](#)  
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](http://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](http://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  
**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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