

Linux Admin & Developer

RAVI BHURE

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Portfolio : www.ravibhure.com

:: Open Source Contribution

- Ansible: [HAProxy Module](#), [OMD Inventory Plugin](#)
- Rightscale: [chef cookbooks and recipes](#)
- Social Coding : <https://github.com/ravibhure>
- Find me @freenode #chef, #haproxy, #ansible, #check_mk

:: Conferences

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

:: Professional expertise: (12+ years)

➤ Ubuntu, CentOS

- Web server – Apache, Nginx
- Databases - MySQL, PostgreSQL (High Availability)
- Load Balancer - HAProxy. (High Availability)
- Monitoring tools – Nagios, Check_MK
- Scripting – Awesome bash, python
- 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 12+ years' experience in the field of Information Technology

A) Company : [REAN Cloud](#), Pune ([OpexSoftware](#), LLP Pune)
Sep – 2016 to Current date

Designation : Principal Cloud Architect

Job Profile : As Principal Cloud Architect, design and architect best suited automation platforms for customers.
Strategic and workflow document for execution plan.
Implement the provided solutions.
Mentor juniors.

Projects :

Worked on development of a platform chatbot (slackbot) which serves the purpose using rean deploynow from slack, integration with **AWS Lambda + API Gateway and Slack.**
AWS + Ansible + Openswan automation to configure IPSec tunnel.
AWS + Terraform + Docker + Kubernetes - [Teradata](#)
 Automated monitoring with **OMD Check_MK + Chef** - Client **SAP Labs**

B) Company : [OpexSoftware](#), LLP Pune
 Feb – 2015 to Aug - 2016

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 and 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.

C) 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

D) 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

E) 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.

F) 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:** *Nagios+check_mk* to monitor network, server health and other services.
- **[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.
- Load Balancer (**HAPROXY**) for apache webserver to balance requests on node
- 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).

G) 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.

H) 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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