

Linux Admin & Developer

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:: [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>
- Find me @freenode #chef, #haproxy, #ansible, #check_mk

:: [Conferences](#)

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

:: Professional experience: (13+ 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 – bash, python, ruby
- CM/Orchestration – Chef, Ansible, Puppet
- CI/CD - Jenkins
- Virtualization – Vagrant, Docker, LXC, ESXi, Proxmox
- Cloud Computing – AWS, Rackspace, DigitalOcean
- Big-Data/NoSQL – Hadoop, MongoDB, Redis
- Performance mon tools – Graphite, Ganglia, Prometheus, Cacti, Munin, MRTG, collectd
- SCM: git, svn
- Troubleshooting.

:: Experience Summary: Having more than 13+ years' experience in the field of Information Technology

A) Company : **CeleraOne GmbH, Berlin**
March – 2018 to Present

Designation : **DevOps Engineer**

Job Profile : As DevOps Engineer, mostly responsible and involved in to create automation platforms and implement continuous integration and deployment pipeline for celeraone product.
Strategic and workflow document for execution plan.

Projects :

CI for Local DNS
 CI/CD for application stack using Ansible + Jenkins pipeline
 Automate build/release process for application stack
 Tokumx to MongoDB migration.

- B) Company** : [REAN Cloud](#), Pune
 Sep – 2016 to Nov - 2017
- Designation** : **Sr. DevOps Engineer/ 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.
- 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 – Client Teradata
 Automated monitoring with OMD Check_MK + Chef - Client SAP Labs
- C) Company** : [OpexSoftware](#), 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** :
Ansible playbook for automated deployment of micro services with **AWS + Terraform + Docker + Kubermet + Consul + CI/CD with Jenkins - [Teradata](#)**
 Automated monitoring with **OMD Check_MK + Chef** - Client **SAP Labs**
 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.

- D) Company** : [Glam India, Pune](#)
May – 2013 to Jan - 2015
- Designation** : **Sr. System Administrator (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
- E) Company** : **Dhingana Entertainment Pvt. Ltd. Pune** (www.dhingana.com)
From Nov – 2012 to June - 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

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

Designation :
Lead Engineer - 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.

G) 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.

H) Company : [Vyom Labs](#) Pvt. Ltd. Pune

Designation : **From Oct – 2006 to March- 2008**
Engineer-Technical Support

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

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

Designation : **Field Engineer**

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.