
REETIKA Vyas
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DevOps Engineer
reetikavyas28@gmail.com

Career Objective:

To work on challenging assignments in a progressive organization that would leverage my technical experience to the fullest potential and align my growth with the growth of the organization.

Summary Of Skills and Experience

LINUX / AWS Certified Engineer with over 8 years of experience in automation, configuration and deployment of Cloud environments on Red Hat Enterprise Linux, Ubuntu, Centos and Debian Operating Systems.

- Created and deployed Landing Zone in AWS for DataScience Platform using Terraform.
- Managed configuration of Domino Data Lab using SaltStack.
- Build automated process for deployment of docker images using Jenkins, Ansible and Packer to help data scientists to develop data models.
- Automated process for deploying code deployment and configuration for JDV using Ansible and Jenkins
- Extensive experience in the design and implementation of Continuous Integration, Continuous Delivery, Continuous Deployment and DevOps processes for Agile projects, working with technologies and platforms including Jenkins, Git, Linux, VM Ware, Docker, Vagrant, Ansible and AWS.
- Experience in setting up AWS region from scratch till production release using AWS Cloudformation and Terraform.
- Extensively worked on complete migration of Application from Datacenter to Cloud.
- Experience in AWS services as EC2, RDS, ELB/ALB, Route53, AWS ECS, AWS Codebuild, CodeDeploy, CodeCommit, CodePipeline, Cloudfront, Autoscaling, VPC, S3, Cloudwatch, Cloudtrail, AWS Trust Advisor, AWS System Manager, AWS Organizations, ElasticSearch, SNS and SES.
- Build CD/CI pipelines using AWS CodeCommit, Code Build, CodePipeline and CodeDeploy for application running in AWS cloud.
- Creating and maintaining fully automated CI build and deployment infrastructure and processes for multiple projects. Built deployment pipelines using Jenkins as continuous deployment to local staging and test environments and to production environments on demand, using a combination of Jenkins Plugins, AWS tools, and shell scripting.
- Configured SSH, SMTP, Build Tools, and Source Control repositories in Jenkins. Installed multiple plugins to Jenkins.
- Installation and Configuration of LAMP stack using AWS Cloudformation
- Familiarity with Linux container such as Docker, DC/OS, LXC. Created Containers in Docker .
- Deploying and maintaining production environment using AWS EC2 instances and ECS with Docker.

- Container management using Docker by writing Dockerfiles and set up the automated build on Docker HUB and installed and configured Kubernetes using Spinnaker.
- Configured Centralized log collection using Fluentd, Logstash, Elasticsearch and Kibana stack for parsing common web server, app server logs, syslog for intrusion detection and VPC flowlog for analyzing security groups in AWS environment.
- Experience in Linux Patch management using Satellite Server, SUSE Live Patching as well as using AWS System Manager.
- Experience in configuration of Rails application stack(Rails, Ruby, Unicorn, Apache and Postgres).
- Installation and Configuration of host and guest OS on VMware ESXi.
- Maintain & Manage various services running in Linux system which include Apache Web server, Proxy server(Squid).
- Configured Web Application behind Varnish Cache for better performance.
- Working experience on Mysql Database Administration and Postgres Administration.
- Experience in Installation and configuration of Iredmail Mail Server.
- Creating Users and Groups with special permissions.
- Backup & Restoration by using tar and rsync.
- Implementing firewall policy using Iptables.
- Experience in implementation of Squid Proxy with access control lists.
- Web servers (Apache), Virtual hosting and User Authentication. Use of HTTPS to make secure transaction.
- Manage software on the system using yum, Zypper, rpm tools and apt-get .
- Performance monitoring using various tools likes top, netstat, vmstat and iostat.
- Installation and confirmation of network monitoring tool Nagios for both Windows and Linux.
- Configure, generate and restore daily/weekly/monthly backup using cron jobs.
- Perform server migration, backup and restore management.
- Disk Management, partitioning tools like fdisk.

Education:

B.E in Computer Science & Engineering from Faculty of Engineering, Jodhpur Engineering, 2003-2007.

12th from RBSE, Central Academy Jodhpur – 2002.

10th from RBSE, Central Academy Jodhpur - 2000.

Certification and Training:

- Oracle 9i DBA – OCP (Oracle Certified Professional).
- Oracle 9i Enterprise DBA from SQL Star International Ltd.
- Red Hat Linux from SQL Star International Ltd.

Technical Skills:

Language: SQL

Database: MySQL and Postgres

Operating Systems: RHEL, Centos, Ubuntu, SUSE, Amazon Linux.

Server Monitoring Tool: Nagios, NewRelic, ELK

Mail Servers: Qmail, Exim and Zimbra and Squirrel, IredMail

Control Panel: Direct Admin and Plesk,CPanel

BackUp : Tar, Rsync,zip, dump

Stats Monitoring: Awstats

Cloud Computing:- Amazon Web Services.(EC2,RDS,Route53,Autoscaling,ELB,VPC,S3, Cloudwatch, IAM, SNS,SES, Cloudformation, ECS, Elasticsearch)

Web Tech:-Apache, Tomcat,Jboss and JDV

Caching Technology:- Varnish Cache,

Domain Record Managing:- Managing domain entries & maintaining records.

Web Tools:- Jmeter.

Automation :- Bash Scripts, Ansible and Puppet

Monitoring:-Nagios, ELK Stack, New Relic

Scripting :- Bash, Knowledge of Python.

Continuous Integration :- Jenkins, Spinnaker

Container Technology: Docker , Kubernetes

Bug Tracking Tools: JIRA, Rally

Methodologies : Agile

Professional Experience:

RedHat

Mar 2019 to Present

DevOps Engineer

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- Experience in setting up AWS region from scratch till dev/stage/qa/prod release using Terraform and Ansible.
- Writing Cloudformation templates for Automating AWS infrastructure and application deployments by using AWS Services like EC2, ECS, S3, SNS, Amazon Aurora, into different Availability zones for the High Availability and Disaster Recovery.
- Installed and configured Jenkins tools on Linux and windows platforms, Manage slaves and installing Jenkins plugins.
- Created One Click Deployment Pipeline by Codebuild and Codepipeline to implement the Continuous Integration process and Codedeploy and CloudFormation to automate the Continuous Deployments.
- Created VPC Peering between multiple VPC into various AWS accounts.
- Perform Security Audit and Enhancing Security by using AWS Inspector periodically.

- Configuring and maintaining networking related implementation and system securities using Security Groups, SSL Certificates, subnets, Internet Gateways, SSH keys, AWS Access/Secret Keys, Iptables, Network ACL's and different protocols such as SSH, HTTP, HTTPS and FTP.
- Built a VPC, established the site-to-site VPN connection between Data Center & AWS.
- Used JIRA as a Change Management/ Work Management/ SCRUM Agile Tool.

Mactores Innovation Pvt Ltd
DevOps Engineer

May 2017 to Mar 2019

- Experience in setting up AWS region from scratch till production release using AWS Cloudformation and Terraform.
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- Experience in Linux Patch management using Satellite Server, SUSE Live Patching as well as using AWS System Manager.
- Create and maintain fully automated CD/CI pipelines for code deployment using Jenkins , Spinnaker and shell

Arrk Solution Pvt Ltd.
Apr'17
Devops Engineer

14 Nov'16 to 19

- Installation, Configuring and provision of Linux Servers on AWS cloud.
- Perform both interactive and automated installations of Red Hat Enterprise Linux.
- Installation and Configuration of host and guest OS on VMware ESXi.
- Installation and Configuration of LAMP stack.
- Installation and configuration of Mediawiki.
- Experience in configuration of Rails application stack(Rails, Ruby, Unicorn, Apache, Postgres)
- Experience in VPC creation with private & public subnet. Handling VPC Route Tables. Handling subnet association of route tables to allow Internet. Communication between two VPC using VPC Peering. Connectivity between instance and S3 bucket through private network using VPC Endpoints.
- Good knowledge of cost optimization of EC2 using auto scaling and reserve instances.
- Experience in AWS ELB, Autoscaling, Security Groups, Reserved Instances, S3, Cloudfront.
- Experience to mount S3 bucket on Linux File System. Experience of transferring big size data to S3 using S3 multipart feature.
- Create alerts to track all IAM Users Activity. Track resource changes, network interface changes using IAM and AWS Trusted Advisor.
- Bucket level Policy for S3 data backup.
- Creating FTP users and creating chroot jail for FTP users.
- Experience in Configuration management tool Ansible and writing playbook for automating server provisioning and configuration.
- Experience in Deployment management & Continuous Integration tools like Jenkins.
- Experience in Elasticsearch, Redis configuration and management.
- Experience in RDS postgres master and slave replication.
- Experience in configuration and installation ELK stack for log monitoring..

Foxtymoron ,Mumbai

April 2015 to Nov 2016
April 2018 to Present

Linux Administrator

- Installed & Configured Red Hat Enterprise Linux 5.0 and 5.5 , CentOS 5.0 , 5.5 and 6.5 and CentOS 7 Ubuntu 14.04(Client and Server),
- Installation and configuration of Apache, PHP and MySQL on Windows and Linux.
- User creation, adding users in group and manage access rights on Linux Servers
- Creating and managing FTP server and User.
- Installation and configuration Of LAMP Stack on CentOS and Ubuntu 14.04

- Backup using tar and Rsync Utility.
- Automated the backup using cron jobs.
- Server migration from CentOS 5 to CentOS 6.5 (VPS)
- Experience on Virtualization VMWARE ESXi, Xen, KVM
- Experience with Knowledge base documentation for Company.
- Kernel Upgrade Linux from 2.6 to 3.2.
- Mongo DB installation and configuration.
- Installation and Configuration of Squid Proxy Server Administration.
- Amazon AWS components including; EC2, S3, Elastic IP's and cloudfront, SES, and AWS SNS.
- Server Hardening.
- Pfsense Installation , configuration and Administration.
- Web server security configuration (Mod Security and Mod Evasive).
- PHPList installation and Configuration and integration with Amazon SES to send bulk Emails.
- Iredmail Installation and configuration.
- Sendy Installation and configuration for Bulk Mailing.
- Installation of Cacti for bandwidth monitoring.
- Installation and configuration of Varnish cache .
- Installation and configuration of Awstats.
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All Infotech Pvt Ltd (StartUp)
Linux Administrator/DBA

October 2011 to May 2014

Responsibilities:

- Installed & Configured Red Hat Enterprise Linux 5.0 and 5.5 , CentOS 5.0 , 5.5 and Ubuntu 10.04 (Client and Server), Debian Squeeze.
- Installing and configuring Apache and Tomcat Server, supporting them on Linux production servers.
- Experience with Kickstart installation and configuration.
- Experience with OpenLDAP.
- Experience in setting up and managing instances in Amazon AWS.
- Installation and configuration of Jboss Server.
- Installation and configuration for Nagios monitoring Server for Linux and Windows clients.
- Installation and configuration of Iredmail Mail Server.
- Installation and configuration of OTRS ticketing System for Company use.
- Installation of Proxy Server, SSH, FTP Servers Administration.
- Installed and Configured SSH for secured access on Redhat, CentOS, Ubuntu Systems.
- Scheduling the daily/weekly/monthly backups.
- File transfer across systems using RSYNC over SSH.
- SVN Setup Installation and Support.
- Experience in setting up Load Balancing using LVS for chat Server.
- Expertise in Linux backup/restore with tar including disk partitioning and formatting.
- Troubleshooting Linux network, security related issues, capturing packets using tools such as IPTables, firewall.

- Monitored server and application performance & tuning via various stat commands (vmstat, iostat etc) and tuned I/O, memory, etc.
- Experience in setting up and managing instances in Amazon AWS.
- Experience in installation and configuring python/django projects.
- Installed python 2.6 and 2.7 on CentOS 5.5 in virtual environment.
- Knowledge of Amazon AWS components including; EC2, S3, Elastic IP's and cloudfront.
- Installation and configuration of MySQL database.
- Experience in Backup and Restoration of MySQL Databases.

Home Tutor

September 2009 to July 2011

Worked with students aged 7-13 to improve Math, Science, and Reading skills

Reviewed materials assigned by the students' teachers and helped students complete homework

Created lesson plans, review worksheets, and practice tests to prepare students for weekly tests

Communicated with parents about students' progress.

Other Distinctions:

- Appointed as CR (Class Representative) of the batch in SQL Star International Ltd.
- Received 1st prize in "Create and Add Contest" in college festival.
- Organized event like get-together, tech. festivals, farewell, etc.
- Participated in
 - o Various group and solo dances.
 - o Caroms, Painting, etc.

Date:

Reetika Vyas