**Ravi Teja Y**

Infra Technology Specialist

E-mail:raviteja.yalamandala@gmail.com

Mobile: +91 9966666735

**Career Objective:**

To grow and obtain a challenging position inthe field of Linux Administration and provideimmense support &maintenance effectively. Interested in long term opportunities providing responsibilities in the area of System Administration. Achieve company’s aspiration as well as contribute my strengths and skills for the same.

Summary:

* Team Lead & SME in cognizant
* Senior consultant in GE Appliances
* Experience in creating the company's DevOps strategy in a mix environment of Linux (RHEL, Ubuntu) servers along with creating and implementing a cloud strategy based on Amazon Web Services.
* Experience configuring and updating the servers using **configuration management** tools like **Chef, Puppet and Ansible**
* Virtualized the servers on AWS using the Docker, created the Docker files and version controlled them.
* Developed complex build, test, provision, secure and deployment systems and providing support to a large community of developers and testers
* Collaborated with development support teams to setup a continuous delivery environment with the use of Docker
* Experience working on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems
* Proficient in using all amazon web services like EC2, EBS, IAM, S3, ELB, RDS, VPC, Route 53, Cloud Watch, Cloud Formation etc.
* Experience with container based deployments using Docker, working with Docker images, Dockerhub and Docker registries
* Designed and developed distributed private cloud system solution using kuberneteson CoreOS
* Conducted the Devops Process Planning.
* Experience in configuring the Continuous Integration tools like Jenkins, Git.
* Automation of build process(Build Automation) using the Jenkins, Maven and Git.
* To supervise the GE servers and user access issues LVM issues.
* Coordinating with ERP and DB teams.
* Accountable for migrating the servers.
* Working in Analyst role as a part NetEnrich Technologies system’s engineering team.
* Understanding and implementing Business requirements which includes maintaining the user accounts, profiles, security, disk space, and process monitoring.
* Taking up configuration and integration responsibilities for all the devices in Customer s environment to report to NetEnrich Cloud Portal.
* Responsible to communicate via remote desktop and con calls to a diverse range of individual clients/customers, technical staff and higher-level management.
* Addressing the tickets within SLA.
* Knowledge on scripting languages namely Python,Maven,Groovy,Yaml and Shell.

**Skills and Expertise:**

* Servers🡪Cent OS 7, Ubuntu, Redhat 5, Redhat 6, Cent OS.
* Tools 🡪Chef,Jscape,Rundeck,Docker,Jenkins,Kubernets,AWS, Github,Puppet,AnsibleKayako, Connectwise, Autotask,Zendesk, ServiceNow,Jira,Centrify DC, EMC Networker, FreeIPA, Terraform, Chef,Jscape,Rundeck.

**Technical Specialties:**

* Experience ininstalling, upgrading, and configuring Linux servers using kick-start and Interactive installation.
* Automating Deployment of Servers on VMWare ESXI and Cloud
* Conducted the Devops Process Planning Experience configuring and updating the servers using configuration management tools like Chef, Puppet and Ansible
* Developed complex build, test, provision, secure and deployment systems and providing support to a large community of developers and testers
* Managed servers on the Amazon Web Servicies (AWS) platform instances using Puppet, chef configuration management
* Experience with Apache/Tomcat, Load Balancer (Apache, Nginx, HAproxy) and expertise in making configuration changes
* Kernel tuning and analyzing the kdump.
* Taking backups on EMC Networker.
* Installing, troubleshooting, configuring and administering of Redhat, CentOS, Aix, Windows 2000, 2003 and 2008 Server.
* Written Simple Ansible YAML scripts to configure the servers
* Configuring the Docker containers and creating docker files for different environments.
* Continuous Delivery is being enabled through Deployment into several environments of Test, QA, Stress and Production using Jenkins
* Better understanding and implementation of the scripts in Python and Shell.
* Scheduling the scripts with cron jobs.
* Networking and Hardware troubleshooting with equipped methodologies.
* Configuration, installation and administration of Zone.
* Monitoring production, development and DR servers using Nagios.
* Monitoring virtual memory, adding additional swap space as needed.
* Security implementation through ACL.
* Integration of ticketing systems.
* File Permissions like, SetUID, SetGID and StickyBit.

**Certifications:**

* Cisco Certified Network Associate CCNA*. (CCNA ID: CSCO12060110)*

**Work Experience:**

**Experience #1**

Organization:  Cognizant

Client: Vertafore

Tools Used: Service Now, Nagios, FreeIPA,Chef,Jscape, EMC Networker, VSphere

Duration: May 2019 to till date

Role: Team Lead & SME

Responsibility: Maintaining Team, delegating work with team, getting information from stake holders, handling bridges, involving and troubleshooting the issues.

**Description:**

Working as a Team Lead.Collaborating with Project Managers to develop focused plans and solutions. Led and participated in projects, managed escalations, assigned work, and interfaced with program office on service delivery improvements.

**Roles and Responsibilities:**

* Engaged in focused planning and goal development
* Addressed identified problem areas and devised approach methodologies.
* Supervised the team of 12 people.
* Ensured deadlines were successfully met
* Involved individual team members in decision-making process through meetings.
* Having good experience in using CodePipeline and CodeDeploy in the Prod Environment.
* Hands on experience in installing and administrating CI tools like Jenkins, GIT.
* Configuring and Networking of Virtual Private Cloud (VPC).
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach oneor more AWS EC2 instances.
* Worked on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems.
* Experience working on several docker components like Docker Engine, Hub, Machine, Compose and DockerRegistry
* Experience working on docker hub, creating docker images and handling multiple images primarily formiddleware installations and domain configurations
* Created a process for efficient troubleshooting techniques, ultimately lowering average call time.
* Bootstrapping instances using Chef and integrating with auto scaling.
* Manage the configurations of multiple servers using Chef. Used kubernetes to deploy scale, load balance, scale and manage docker containers with multiple namespaced.
* Managed and performed the environment related configuration changes as a part of deployment.
* Merged release branches to the trunk after the production release and resolved the conflicts rose during the merge in GIT.
* Created the branches in GIT to implement the parallel development process.
* Implemented Chef Cookbooks for OS component configuration to keep AWS server’s template minimal
* Responsible for approximately 900 Linux servers.
* Patching servers manually and using rundeck.
* Updating kernels lively.
* Monitoring production and DR servers.
* Co-ordinate with Storage team to add the disk space issues.
* Creating SFTP users and giving access using Jscape.
* Managing users, groups and server by FreeIPA.
* Migrating servers to IPA master servers.
* Booting strapping new build servers by Chef according the environment.
* Documentation of Technical Specifications and High Level Technical Design for the business requirements.
* Pre checks for oracle data base upgradation.
* Writing scripts for stake holders according to the requirement and to reduce the down time.

**Experience #2**

Organization:  GE Appliances

Tools Used: ServiceNow, Nagios, Centrify, EMC Networker, Vsphere

Duration: June 2017 to till date

Role: Senior Technology Consultant

Responsibility:  Troubleshooting, Performance, Maintenance, Upgrading, User access &Backups.

**Description:**

Worked as a Senior Technology Consultant. Monitor the servers and check the performance of the servers, providing access to the users using Centrify, taking backups and restoring the data.

**Roles and Responsibilities:**

* Installing, upgrading, and configuring the Linux servers.
* Establishing connection between servers using SSH.
* Managing Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as Puppet or custom-built .designing cloud-hosted solutions, specific AWS product suite experience.
* Analyze and resolve conflicts related to merging of source code for GIT.
* Installed Jenkins/Plugins for GIT Repository, Setup SCM Polling for Immediate Build with Maven and Maven Repository (Nexus Artifactory) and Deployed Apps using custom ruby modules through Puppet.
* Installed/Configured/Managed Puppet Master/Agent. Wrote custom Modules and Manifests, downloaded pre-written modules from puppet-forge. Upgradation or Migration of Puppet Community and Enterprise.
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reach oneor more AWS EC2 instances.
* Worked on Multiple AWS instances, set the security groups, Elastic Load Balancer and AMIs, Auto scaling to design cost effective, fault tolerant and highly available systems.
* Configuring and Networking of Virtual Private Cloud (VPC).
* Creating and maintaining user accounts and providing access to servers as per the requirement.
* Installation of software packages on Linux operating system.
* Updating kernels and checking the security patches
* Monitoring production, development and DR servers using Nagios.
* Co-ordinate with Storage team to add the disk space issues.
* Sharing content using NFS as per other team requirements.
* Taking and maintaining server backups using EMC networker.
* Restoration of the backed up data in case of any data loss.
* Accountable for coordinating with Apps team to reduce the down time in the production.
* Increasing the mount points and RAM and disks.
* Patch updating using Puppet and resolving the patches issues.
* Responsible for taking snapshots and cloning the servers.
* Migrating DMZ servers to cloud.
* Addressing the tickets within SLA using ServiceNow.

**Experience #2**

Organization:  NetEnrich Technologies Pvt. Ltd

Tools Used: Nagios,Kayako, Connectwise, Autotask, Zendesk.Jira,ServiceNow.

Duration: October 2013– Dec 2016.

Role: Analyst

Responsibility: Troubleshooting, Performance, Maintenance, Installing and Upgrading.

**Description:**

Working as an Analyst in onboarding team. Onboarding the servers into the NetEnrich cloud from the client infrastructure to monitor the servers and check the performance of servers.

**Roles and Responsibilities:**

* Installing, upgrading, and configuring Linux servers using kick-start and Interactive installation.
* Configuring Apache and Tomcat. Integration of Tomcat with Apache.
* Creating and maintaining user accounts, profiles, security, disk space, and process monitoring.
* Installation of software packages on Linux operating system.
* Maintaining Tomcat and Apache webservers of clients and as well as our own servers.
* Monitoring production, development and DR servers using Nagios
* Co-ordinate with Hardware and Storage team in resolving hardware/storage issues
* Configure, integrate all the devices in Customer s environment to report to NetEnrich Cloud portal (Vistara) and also monitor and manage the customer s IT environment extensively.
* Worked on the issues/troubleshooting through ticketing system like Kayako, Connectwise, Autotask, Zendesk.
* Configuring SNMP on Netscaler devices and storage devices
* Creating SSL certificates on Linux servers.
* Worked on Ticketing Tools Integration.
* Solving the tickets within agreed SLA.
* Attended calls related to customer queries & complaints along with offering them advantageoussolutions.
* Deploying new servers in Vcenter and Hyper-V.
* Performed routine checks on the Linux servers of the firm.
* Providing day-to-day user administration like adding or deleting users, password aging.
* Maintenance of logs on day-to-day operations.
* Monitoring virtual memory, adding additional swap space as needed.
* Managing the usage of disk space and memory.
* Implementing file sharing on the network by configuring NFS on the system to share essential

resources.

* Creating RAID levels using LINUX Volume Manager.
* Participation in strategic team meeting to collect the requirements from the client/user, analyze them and implement them accordingly in the project.

**Experience #3**

Organization: Hotels2Go

Tools Used: Autotask, Zendesk

Duration: April 2013- October 2013.

Role: System Admin.

Responsibility: Installation, Monitoring and Production Support.

**Roles and Responsibilities:**

* Installation and configuration of RHEL servers in 24x7 environments.
* Software Installation from various methods like YUM, RPM, Zypper and Source Code.
* Backing up server data using rsync, tar, bzip2, gzip, scp.
* Installing patches and packages to keep the servers up to date with latest OS versions.
* File system administration and troubleshooting.
* User administration - Creating and managing user account, groups and access levels.
* Security implementation through ACL.
* File Permissions like, SetUID, SetGID and StickyBit.
* Performance & Swap memory management.
* Configuring and managing NFS and NIS for centralized and shared network information and user database.
* Configuration, Installation and Administration of Zone.
* Creating Meta devices and implementing RAID levels in LVM.
* Creating and Removing the Volumes in LVM.
* Implementing root mirroring in LVM.
* Replacement of failed disks which is in control of LVM.

**Experience #4**

Organization: Aptech Limited

Duration: September 2010 -March 2013.

Role: System Admin.

Responsibility: Installation, Monitoring andUpgradation.

**Roles and Responsibilities:**

* Installing, troubleshooting, configuring and administering of Linux, Windows 2000, 2003 and 2008 server.
* Creating users accounts, assigning rights, adding computers to the domain and quota engagement.
* Configuring mail server send mail, NFS, FTP, YUM, SAMBA, APACHE.
* Configuring FTP server to maintaining the shared folders in theOrganization.
* Integrating Windows and Linux.
* TCP/IP troubleshooting on Linux/NT network
* Application installation and trouble shooting.
* Hardware Troubleshooting

**Education Qualifications:**

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| --- | --- | --- | --- |
| **Period** | **College/ University** | **Qualification** | **% of marks obtained** |
| 2006-2010 | Adam’s Engineering College,  JNTU, Paloncha. | B.Tech (ECE) | 57.88% |
| 2004-2006 | Krishnaveni Junior College, Kothagudem. | Intermediate | 78% |
| 2004 | Sri Vani VidhyaNilayam, Paloncha. | S.S.C | 72.5% |

**Personal Achievements:**

* Best Performer Award Winner for Q4FY'14 – Outstanding Contribution on Most Ticket Closures

### Declaration:

I hereby declare that the above information given by me is true to the best of my knowledge.

Place: Hyderabad

Date: (Ravi Teja Yalamandala)