**Name: Sabarish**

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**Phone: (913) 276-0193**

**System Administrator / DevOps Engineer**

**SUMMARY:**

* IT Professional over 6+years of experience in **DevOps**, Configuration management and Linux Administration. Strong experience in automating, deploying instances on **AWS**, **Rackspace** cloud environments and Data centres, also good experience with **AWS**, **Chef**, **Puppet**, **Jenkins** and **Ansible**.
* Experience in Installing, upgrading and configuring **RedHat** **Linux** 5.x, 6.x and 7.x and **Debian** using **Kickstart** Servers.
* Experience in using AWS in EC2, AWS S3 and AWS **IAM** and deploying instances like **Redhat**, **Ubuntu**, **CentOs**, and **Windows**.
* Participated in configuring and monitoring distributed and multiple platform servers using **Puppet**. Used Puppet server and workstation to manage and configure nodes.
* Automate Deployment using configuration Management tool like **Puppet** to provision **AWS** Instances to enable continuous Deployments and writing **Puppet manifests** to automate configuration of a broad range of services.
* Experienced in administration and deployment of applications on Apache Tomcat Webserver andApplication Servers such as **Web Sphere**, **Web Logic**, JBoss, **IIS**, etc.
* Implemented **Chef Recipes** for Deployment on build on internal Data Centre Servers. Also re-used and modified same Chef Recipes to create a Deployment directly into Amazon EC2 instances.
* Experience in migrating source code repositories from between various version control systems like **SVN** to **Git**.
* Good understanding of **Docker** Configuration Management Tool.
* Worked in infrastructure team on installation, configuration and administration of **CentOS** 5.x/6.x/7, **Red Hat Linux** 8/9, RHEL 5.x/6.x/7, Red Hat Satellite 6, Windows Server 2008-R2/2012-R2 and SUSE Linux 10.x/11.
* Experience in Package Management using Red Hat **RPM/YUM** and Red Hat Satellite server.
* Experience setting up instances behind **Elastic Load Balancer** in AWS for high availability.
* Extensive experience in implementing Continuous Integration and Continuous Delivery (using **ANT**&**Jenkins**) in an Agile Environment.
* Expertise in transition project, which involves migration activities from **Ant** to **Maven** in order to standardize the build across all the applications.
* Knowledge in using **Nexus** Repository Managers for **Maven** builds.
* Installing, configuring and administering **Jenkins** CI tool on **Linux** machines.
* Installed and Managed **Jenkins** and Nexus for CI and Sharing Artifacts respectively in company.
* Experience in Deploy**Openstack** environments through automated tools, **Ansible** / custom pipeline.
* Worked with different bug tracking tools like **JIRA**, **Rally**, **Remedy**, **HP Quality Center** and **IBMClear quest**.
* Experience in **Python** with proven expertise in using new tools and technical developments to drive improvements throughout entire software development lifecycle.
* Experience of maintaining Business Continuity and performing Disaster Recovery (DR) using **VMware** Site Recovery Manager.
* Installing and Managing Virtual Center 5.5 by Upgrading **VMwareESX**and **ESXi**server from 3.5.0, 4.0.0, 5.0 and 5.1 in environment.
* Experience working with **ORACLE** databases (**SQL/PLSQL**).
* Experience workingas **ITIL** Service Coordinator.
* Deployed **Puppet**, Puppet dashboard for configuration management to existing infrastructure.
* In-depth knowledge in **Shell** scripting and exposure to **Ruby**, **Python** scripting.
* Developed automation scripting in **Python** (core) using Puppet to deploy and manage Java applications across linux servers.
* Have ample experience in load balancing and monitoring with **Nagios**.
* Knowledge of networking (**TCP/IP**, Ethernet), **NFS**, **DHCP**, **SMTP** and **RAID**. Performed troubleshooting **NFS**, **NIS**, **Samba**, **DNS, DHCP, LDAP, MySQL** and network problems.
* Installed & Configured Oracle Client server (**Oracle** 11g) for establishing the communication between the Applications and Database servers.
* Good understanding of **OSI** Model, **TCP**/**IP** protocol suite (**IP, ARP, TCP, UDP, SMTP, FTP, and TFTP**).
* Managed environments **DEV, SIT, QA, UAT** and **PROD** for various releases and designed instance strategies.
* Good interaction with developers, managers, and team members to coordinated job tasks and strong commitment to work.
* Abilities to manage a project through its complete lifecycle viz. Initiation, Planning and Design, Execution, monitoring and controlling through Closing.
* Team player with excellent interpersonal skills, self-motivated, dedicated and understanding the demands of 24/7 system maintenance and has good customer support experience.
* Expertise in trouble shooting the problems generated while building, deploying and also in production support.

**EDUCATION:**

Bachelors of Engineering in Computer Science from**Satyabhama University**, Chennai, India

**TECHNICAL SKILLS:**

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| --- | --- |
| **DevOps Tools:** | Chef, Puppet,Saltsatck, Jenkins, Vagrant, Docker, Hudson, Bambo, Ant, Maven, Gradle. |
| **Cloud Platforms:** | AWS, Microsoft Azure and Rackspace, Open stack. |
| **Operating Systems:** | Sun Solaris 11/10, Red Hat Linux 5.x/6.x/7 SUSE 10/11/12, Ubuntu/Debian/Fedora, OEL, CentOS, Windows Server 2003/2008/2012. |
| **Hardware :** | Sun Ultra Enterprise Servers (E3500, E4500, E450, E420R, E250) Sun Fire (6800/4800/3800/ v880/v480/v210/v440/280R/15K/25K), Sun Workstations (Ultra 5, 10, 20, Blade100, 150, 2000), SunstorEDGEA1000 and D1000, HP 9000 series, IBM RS/6000, p Series, x Series. |
| **Network Protocols:** | SMTP, SNMP, ICMP, TCP/IP, FTP, TELNET, UDP, and RIP, iSCSI, Fibre Channel. |
| **Software and Tools:** | VERITAS Volume Manager 3.x/4.x,WinSCP, FTP, SSL, VERITAS Cluster Services, Cisco CNR, Send mail. |
| **Backup Management:** | VERITAS Netback up 4.x/5.x/6.x, Solstice Disk Suite, tar, dd, cpio. |
| **Web/Application Servers:** | Tomcat, Apache, Webspere,Weblogic and JBoss. |
| **Database:** | Oracle, DB2, MySql, Cassandra, MongoDB 7 SQL Server 2008/2012/2014 |
| **Languages:** | Bash Shell Scripting, Perl, Python, Ruby |

**PROFESSIONAL EXPERIENCE:**

**YRC WORLDWIDE, KANSAS CITY, KS May’ 15 – Till Date**

**ROLE: Linux Admin/ Cloud Engineer / DevOps Engineer**

**Responsibilities:**

* Experience in designing and deploying **AWS** Solutions using **EC2, S3, EBS**, Elastic Load Balancer (**ELB**), auto scaling groups.
* Worked at optimizing volumes and **EC2** instances and created multiple **VPC** instances.
* Experience working with IAM in order to create new accounts, roles and groups.
* Experience in creating alarms and notifications for **EC2** instances using **Cloud Watch**.
* Responsible for managing infrastructure provisioning (**S3, ELB, EC2, RDS, Route 53, IAM, security groups - CIDR's, VCP, NAT**) and deployment and EC2 Installs with **CentOS**, **Ubuntu** and **RHEL6** and **ScientificLinux**.
* Implemented a Continuous Delivery pipeline with **Docker**, Jenkins and **GitHub** and AWS AMI's. Imported and managed multiple corporate applications into **GitHub** code management repo.
* Used **Chef** to manage Web Applications, Config Files, Data Base, Commands, Users, Mount Points, and Packages.
* Written **cookbooks** for Web Logic, JDK 1.7, and **Jenkins**, tomcat, **JBoss** and deployment automation.
* Experience working on User admin groups, maintaining account and monitoring system performance using **Nagios** and **Splunk**.
* Integrating **Jenkins** with **VMware**, **Openstack** and **chef**.
* Experience in administering and automation using **Puppet**, **Chef, Ansible and Saltstack**.
* Developed **ChefRecipes** to configure, deploy and maintain software components of the existing infrastructure.
* Written **wrapper** scripts to automate deployment of **cookbooks** on nodes and running the **chef client** on them in a Chef-Solo environment.
* Implemented **Chef Server** and components installations, including cert imports, increase chef license, creating admins and users.
* Installed **EMC** Power Path and create Storage **RAID** groups, LUN's and assigning them to the servers.
* Configured **Docker** Engine with **Docker** Specific Commands, Created Custom **Docker** Images, and Deployed **Docker** Containers on AWS as Part of Cloud Formation Template.
* Utilized continuous integration and automated deployments with Jenkins, **Ansible** and **Docker.**
* Deployment automation and Job Orchestration tooling through Python, **Ansible**.
* Experience in working with GIT to store the code and integrated it to **Ansible** Tower to deploy the playbooks.
* Written**chefrecipes** for various applications and deploying them in **AWS** using **Terraform.**
* Automating configuration management using **SaltStack**.
* Used the **Saltstack** for the continuous code deployment, Real-time automation.
* Used for faster server provisioning and configuration though **Saltstack** configuration management tool.
* Experience in configuring and maintaining **LAMP** stack on production and staging servers.
* Upgraded **Drupal6** to **7** and Updated **Drupal** core, modules and themes to the latest releases for existing **Drupal** version.
* Used Composer, **Git**, **Drush** and Configuration Management to Push Changes from Development to Production.
* Analyse and resolve conflicts related to merging of source code for **GIT**.
* Automated the build and deployment of middleware applications using **uDeploy**.
* Experience in designing and implementing continuous integration system using **Jenkins** and **Bamboo** by creating **Python** and **Perlscripts**.
* Experienced in writing **Maven** and **ANT** scripts to perform continuous build and integration of Java applications using **Jenkins** and deploy using **uDeploy**.
* Installed VMware, **VSphere** 5 and created virtual machines on ESX 5.0 Servers using Dell PowerEdge R410.
* Worked on maintenance of **ESX** host clusters and security.
* Managed and configured **VMware** virtual machine for **RHEL**.
* Monitoring and Tuning the CPU, memory usage, I/O contention, paging, network statistics on UNIX servers using **TOP, IOSTAT, NETSTAT, VMSTAT, TOPAS**.
* Installed, configured and maintained DNS, FTP, TCP/IP and Samba on Red Hat Linux.
* Built and Deployed **Java/J2EE** to a web application server in an Agile continuous integration environment and also automated the whole process.
* Performed **Web Logic server** administration tasks like configuring Managed servers and setup cluster environment.
* Installed, configured and maintained web servers like **HTTP** Web Server, **Apache Web Server**, **WebSphere** Application Server and **Samba** Server on Red Hat Linux.
* Established solid working relationships with **Service-Now** vendor to customize COTS solution to meet business objectives related to **ITIL** oriented processes
* Responsible for installation and upgrade of patches and packages on **RHEL 5/6** using **RPM & YUM.**

**T-MOBILE, BELLEVUE, WA June'14– May’15**

**ROLE: Linux Admin / Cloud Admin / DevOps Engineer**

**Responsibilities:**

* Assisted in migration of exiting datacentre into the **AWS** using Native VMDK Import Wizard Tools &SnowBall.
* Installed the application on **AWS EC2 AMI**, Red hat, **Ubuntu** Instances and Migrated applications to the AWS cloud.
* Configured the storage on **S3 Buckets** for Hourly Backups of EC2 Instances and Scripts to delete Objects older than 7 days.
* Experience working with **IAM** in order to create new accounts, roles, groups, policies.
* Deployed **Puppet Open Source** with Apache and **Phusion Passenger** / **Puppet Enterprise** with Additional tools such as **MCollective**/ **Facter**/ **Hiera** / **R10k** with **GIT** for Manifest and Module Versioning, Puppet Dashboard, Puppet DB for configuration management to existing infrastructure. Wrote **Custom Modules and Manifests** to provision VM instances from **VMWARE** Templates and Patching of all Environment Specific OS Instances.
* Assisted in administering **VMware SRM to accommodate virtual machine replication**
* Assisted with planning design and testing of all **VMDK**data and virtual **VMF**file replication and migration strategies for Wintel virtual servers.
* Implemented migration from **VMWARE** to **AWS** using **VMDK** Import tools. Performed **Vmotion** and Storage **Vmotion** of **VMDK** and **VMF** files to target landing zones.
* Team role included working in **VMwareOrchestrator, VMware VRealize Automation 6.0** (VRA), catalog management, creating cloud server provisioning entitlements, creating and defining business groups, creating catalog items, creating services for the catalog items, creating **Windows2008/2012**) and Linux (**RedHat6**) blueprints.
* Automating Deployment of Servers on **ESXI** and Cloud. Managed servers on the Amazon Web Services (**AWS**) platform instances using **chef** configuration management.
* Managing Amazon Web Services (AWS) infrastructure with automation and configuration management tools such as **Ansible**, **Puppet** or custom-built and designing cloud-hosted solutions, specific AWS product suite experience.
* Hands on experience on **JIRA** for creating bug tickets, workflows, pulling reports from dashboard, creating and planning sprints.
* Reduced build + deployment times by designing and implementing **Docker** workflow.
* Set up system for dynamically adding and removing web services from a server using **Docker**, **Nginx**.
* Installed, configured and maintained web servers like HTTP Web Server, Apache Web Server, Apache Tomcat, **Nginx**, **JBoss**.
* **NginxWebserver** allows the creating of Virtual Hosts to forward requests to many App Servers, It allows URL **Rewriting** / **Proxying**, HTTP Load Balancing.
* Managed and configured **VMware** virtual machine for **RHEL**, **Ubuntu**and **Linux** servers.
* Installation of **Linux Distors**Using **KICKSTART / PXE Boot** to Provision **REDHAT** / **Centos** Images with preconfigured properties in **kickstart.conf.**
* Experience in creating alarms and notifications for **EC2** instances using Cloud Watch.
* Implemented AWS solutions using **E2C, S3, RDS, EBS, Elastic Load Balancer**, Auto-scaling groups.
* Monitoring Live Traffic, logs, Memory utilization, Disk utilization and various other factors which are important for deployment.
* Implemented load balancing in various environments using **Netscalar**and also used **NIC bonding.**
* Implemented RAID, Preparing partition on the new disk, implementing **Logical Volume Manager** (**LVM**) and **NIC Bonding** for RHEL **4.x and 5.x**.
* Participated in configuring and monitoring distributed and multiple platform servers using **Puppet**.
* Experience in designing and implementing continuous integration system using Jenkins by creating **Python** and **Perl** scripts.
* Implemented the setup for Master slave architecture to improve the Performance of **Jenkins**.
* Installed, configured and maintained **DNS**, on Red Hat Linux.
* Installed and configured **DHCP, DNS(BIND, MS), web (Apache, IIS), mail (SMTP, IMAP, and POP3),FTP**, **TCP/IP** and **fileservers** on Linux servers.
* Efficiently implemented network **file sharing** and resources across the network by configuring **NFS** to share files.
* Connecting Linux to Authenticate using Windows Active Directory (**LDAP**) via **Winbind** / **PAM**&**Samba** Services.

**State Farm Insurance, Bloomington, IL July’ 13– Jun ’14**

**ROLE: Systems Engineer**

**Responsibilities:**

* Installed **Linux** OS, and configured required network on the virtual machine.
* Strong skills in managing **RedHat** Linux servers, **SAN** storage. Virtualization,(VMware, **RedHat** enterprise virtualization preferred), and system security.
* Mentor other systems administrators in engineering, installation, configuration, testing and Administration of **Linux** servers
* Installed and configured of **SAMBA**, **squid, FTP Server, SMTP Server, RAID** and **LVM** on RHEL.
* Extensive use of Logical Volume Manager (**LVM**), creating Volume Groups, Logical volumes and disk mirroring in **HP-UX, AIX** and **Linux**.
* Expertise in file System concepts like **LVM, SVM,** Creating new file Systems, increasing and decreasing file systems, mounting file systems, un mounting file systems and troubleshooting Disk space issues
* Configure and maintain **FTP, DNS, NFS** and **DHCP** servers.
* Experience working in **VMwareESX** (**VSphere**) 4.x hypervisor for virtualization and installed different OS such as Solaris, Linux (RHEL), Windows.
* Creating the **filesystem** and RAW logical volumes for the **Oracle** RAC based on the requirement.
* Demonstrated excellence and leadership in Production support with complete self-direction towards all CRS that come into **Clear Quest Queue** for ORR. Proven troubleshooting skills/knowledge in Application use of database in all layers - backend, middleware front end.
* Configuring, maintaining and troubleshooting of local development servers Software Implementations.
* Configuring User Authentication Stores and Policy Authorization Stores on **LDAP**
* Windows NT/2000 **Active Directory** administration- User management, import/export of activedirectory. Adding new users, new branches, data, etc.
* Worked on virtual and physical **Linux** host for decommissioning.
* Experience in Shell and **Python scripting** to automate system administration jobs. Also implemented and enhanced existing scripts developed in Shell and Ruby Managed server on **VMware vSphere** center.
* Installation and support of various versions of **Oracle** and **MySQL** databases.
* Used various networking tools such as **SSH, telnet, rlogin, FTP, SFTP** and **ping** to troubleshoot daily networking issues.
* **Linux** **KernelSecurity**, regular maintenance, compiles and OS reinstalls.
* Worked on Core System Files Hardening and Optimization (**sysctl.conf,resolv. confetc**).
* Working with **Apache Web servers** and managing JBOSS, Apache Tomcat and Web Sphere Application servers
* Responsible for administering and maintaining Linux work stations running Apache web server.
* Written various **Bash** and **Python** scripts for regular tasks.
* Involved in configuration and support of a production environment hosted in a 24x7 setup.
* Technical Support for in-house Programmers.

**SOLVENT SOFTWARE SOLUTIONS, CHENNAI, INDIA May' 10 - June' 13**

**ROLE: Linux Systems Administrator**

**Responsibilities**

* Experienced in install Operating System and configure **kernel parameters** for **Linux/Unix servers**.
* Installing Red Hat Linux using **kickstart** and applying security polices for hardening the server based on the company policies.
* Installing, configuring and maintained **Ubuntu**, **RedHatEnterpriseLinux 4, 5,CentOs**.
* Experienced in patching and upgrading OS levels for **Linux/Unix servers**.
* Worked with Red Hat Package Manager **RPM**and **YUM**.
* Experience in creation of environments on virtual machines to be handed over to development and QA teams.
* Experience with Java Enterprise Application Servers such as Oracle **WebLogic**, Oracle Application Server (**OC4J**), **RedhatJBOSS**, and **Apache Tomcat**.
* Maintain the security posture of the systems in accordance with Information Security policies.
* Responsible for configuring **TCP/IP**, network interface, assigning static routes and hostnames.
* Implementing and configuring network services such as **HTTP, DHCP, and TFTP.** Involved in Installing and configuring of **NFS**.
* Linux kernel, memory upgrades and swaps area. **Redhat** Linux **Kickstart** Installation. Configuration and Administration of Apache Web Server and **SSL**.
* Performed day to day operations in **LDAP** such as **add, delete, modify,**and **search**.
* Installation and configuration of Software load balancer (**NGINIX**).
* Responsible for adding new host machines to the network.
* Managing the permissions & moving files with SCP, **FTP**.
* Responsible for Creating, changing, and removal of user accounts.
* Performed **Useradministration** tasks, Permission issues and solved them.
* Rebooting the **Linux Boxes** after patching.
* Monitoring the logs for Issues.
* Monitoring **Disk**, **CPU** and **Memory**&**Performance** of servers.
* Performing system monitoring to verify the integrity and availability of the hardware, operating systems and key processes.
* Providing technical support during software deployments and operational incident.
* Identifying and **analyzing security** vulnerabilities that may exist on the system and applications.