**MANU**

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## SUMMARY:

6 years of hands on experience in Software Configuration Management (SCM), Build, Deployment and Release Management, Infrastructure Management and Software development environment.

* Experience in working of Software Configuration Management (Compiling, Packaging, deploying and Application configurations.
* Expertise in TFS branching strategy
* Experience in working with Agile, SCRUM and Water Fall software methodologies.
* Expertise in creating DevOps strategy in a mix environment of Linux (RHEL, CENTOS) servers along with Amazon Web Services.
* Experience in all facets of full CM process with tools such as SVN, GIT, PVCS, Clear Case, Clear Quest, Perforce, Cruise Control, Jenkins, Bamboo, Chef and Puppet.
* Adept in Installation, Configuration and Administration of AIX 4.3/5.1/5.2/5.3/6.1, Red Hat Linux 8/9, RHEL 3/4/5/6/7, Red Hat Satellite 6, OEL 4/5and SUSE Linux 10/11.
* Expertise in automating various build and deployments using ANT, MAVEN, Perl, Ruby, MS Build, and Shell Scripts.
* Extensively worked with tools like Hudson, Jenkins, Team City, and Anthill Pro to implement build automation.
* Experience in using Nexus and Artifactory Repository Managers for Maven builds.
* Administered and Implemented CI tools Hudson and Jenkins for automated builds.
* Implemented Puppet modules and manifests to automate configuration of a broad range of services like LAMP Stack, HTTP multiple Vhosts management.
* Design and implementation of a Puppet-based configuration management system for all new Linux machines (physical and virtual).
* Extensive experience in setting up Chef Workstation, Server and Clients.
* Created and Maintained Chef Recipes and cookbooks to simplify and expedite deployment of applications and mitigate user error.
* Worked on Docker and Vagrant for managing development environments through creation of Linux virtual containers.
* Experience in branching, tagging and maintain the version across the environments using Version Control tools like Subversion (SVN), GIT, Clear Case and VSS on UNIX and Windows environment.
* Experience in deploying WAR, JAR, and EAR files in WebLogic, Web sphere, JBoss application servers in Linux/Unix/Windows environment.
* Experience in Configuring and deploying to Application servers WebLogic and WebSphere.
* Experience in deploying the J2EE and .Net applications, Environment set up, Middleware configuration, Application Server administration, Application infrastructure management, Analyzing and troubleshooting the issues, providing the technical support to development/test/operations/production support teams.
* Worked on cloud-based servers like AWS, AZURE and Rackspace.
* Experience working with Amazon Web Services (EC2/AWS) - Web consoles, APIs, and Security Groups.
* Experience in AWS – Elastic Load Balancer, VPC, Elastic IP’s, RDS and S3.
* Created SCM Process, policies, procedures and Release Notes to follow Development and allow QA teams to Release and Deploy highest quality product for the enterprise.

## SKILLS:

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| Operating  Systems | Linux (RedHat Enterprise Linux3.x,4.x,5.x,6.x, Fedora and CentOS, SUSE 8,10,11, Ubuntu 7.x – 14.x), IBM AIX 5L(5.1,5.2,5.3), Windows 2000/NT4.0,windows 95/98/ME/XP  vSphere ESX 3.x,4.x. |
| Virtualization Tools | Oracle Virtualbox, Vagrant, VMware Workstation, VMware vSphere, Docker |
| Web/Application Servers | WebSphere Application Server (WAS) 3.5, 4.0, MQSeries, WebLogic, Apache Tomcat, JBoss, Server, IBM HTTP Server. |
| Networking | TCP/IP, NIS, NFS, DNS, DHCP, WAN, SMTP, LAN, FTP/TFTP, VMware nexus switch, Cisco Routers/Switches, F5 load balancer. |
| RDBMS | IBM UDB2, Oracle 7.x/8.0/9i, MySQL, MS-SQL Server and MS-Access, Cassandra, Mongo |
| Programming Languages | C, C++,C#,HTML, Perl, Ruby and Shell Scripting. |
| Applications | HACMP, Samba, Tivoli (TSM), Veritas, NetBackup, Veritas Volume Manager, LVM, OnStar, Amanda Backup |
| Monitoring Tools | Nagios, Splunk, Munin, Stackdriver, Graphite, AWS cloud monitoring |
| Cloud services | AWS (EC2/SQS/SNS/S3/IAM/ELB), Azure, Rackspace, Openstack |
| Configuration Management tools | Puppet, Chef, Vagrant, Docker, Ansible |
| Build Tools/ CI/CD servers | Maven, Ant, Jenkins, Build Forge and bamboo. |

## WORK EXPERIENCE:

*Client: ACT Ltd Duration: March 2018 – Till Date*

*Location: Dallas, Texas Title: DevOps/Build and Release Engineer*

Roles and Responsibilities

* Contributed to new physical and virtual data center infrastructure design and implementation.
* Worked on installation, configuration and maintenance **Debian, RedHat Enterprise Linux**, **CentOS** and **SUSE** Servers at multiple Data Centers.
* Configured **RedHa**t **Kickstart** for installing multiple production servers.
* Installation, Configuration and administration of **VMware**.
* Deploy and monitor scalable infrastructure on **Amazon web services** (AWS) & configuration management using **puppet**.
* **Designed Puppet Modules to manage configurations and automate installation process.**
* Experience working with production servers at multiple data centers.
* Worked on Physical to **Cloud Migration in AWS.**
* Configured **Amazon EC2 instances** and provisioned storage to them using **S3 buckets**.
* Handled the security of Amazon EC2 instances using **IAM roles and JSON templates**.
* Experience in migration of consumer data from one production server to another production server over the network with the help of Bash and Perl scripting.
* Installed and configured monitoring tools **Nagios for monitoring the network bandwidth** and the hard drives status.
* Set up puppetized, customized monitoring with **Nagios**, &**PNP4Nagios** Graphs for both legacy and new environments.
* Developed automation scripting in**Python (core) using Puppet to deploy and manage Java applications across Linux servers.**
* Worked on Version control setups like **GIT and continuous integration tools Jenkins.**
* Set up **PostgreSQL** database servers for Web Server environment.
* Set up LDAP authorization & NFS mounted /home directories for users.
* Bootstrapping automation scripting for bare metal and virtual servers.

Environment: RHEL 6/7, CENTOS 6/7, Ubuntu, SUSE SLES, Solaris x86, VMware ESX 5, Dell Blade Servers, Dell R910 servers, Dell M620 servers, M420 servers, Puppet, Python, Perl, PHP, Ruby, Open LDAP, Lighttpd, Apache Httpd, Apache Tomcat, Nagios, JIRA, Fisheye, Confluence Administration, AWS

*Client: ABB Ltd Duration: March 2015 – Feb 2017*

*Location: RTP, NC (Offshore) Role: Build and Release Engineer*

Roles and Responsibilities

* Installed/Configured/Managed **Jenkins CI** Automation.
* Responsible for the Plugin Management, User Management, Build/Deploy Pipeline Setup and End-End Job Setup of all the projects.
* Jenkins is used as a **continuous integration** tool for automation of daily process.
* Installed/Configured and Managed **Nexus Repository Manager**.
* Involved in Agile Scrum model with PODs and provided the WBS for the User stories.
* Implemented the Chef cookbook **SSSD** to automate the integration process between **RHEL** and Windows AD using **Kerberos keytab** file.
* Configuring the Docker containers and creating Docker files for different environments.
* Implemented the **Chef Software setup and configuration** on VM’s from the scratch and deployed the run-list into chef-server and bootstrap the chef clients remotely.
* Used existing cookbooks from Chef Marketplace and customizing the recipes with respect to VM
* Customized changes in **Data Bags**, **Roles** and **Recipes**.
* Involved in searching **node attributes** using Knife.
* Deploying the cookbooks, recipes using knife tool from **Chef-DK Workstation** to Chef-server
* Created user, rpm packages and patch management & configuration implementations.
* Responsible for maintaining the run list on chef-server.
* Maintained **branches/forks** in **GITHUB** version control for the changes made in cookbooks as release
* Automated **Apache-webserver configuration**, **DB Server configuration**, **SSSD Configuration**, **LAMP** by writing **Ruby Cookbooks in Chef**.
* Implemented **Nagios core/XI**for monitoring Infrastructure resources.
* Automated Nagios alerts and email notifications using python script and executed them Chef.
* Automated Nagios services for database server, web-server, application-server, networks, file sizes, RAM utilization, Disk performances using Python script in Chef.
* Developed and implemented the software release management for the release of web applications.
* Wrote **ANT and MAVEN** Scripts to automate the build process.
* Used Source code configuration tools **Subversion** and **GIT** used for different projects.
* Configured **Bamboo** for doing the build in all the non-production and production environments.
* Involved in configuration and support of a production environment hosted in a 24x7 setup.
* Installation and Configuration of **Solaris, Linux** and **AIX** and **Windows/NT** operating systems on large distributed environment.
* Managing Disks/File systems using **Veritas Volume Manager**.
* Setting and Managing **NFS, NIS, DNS, Shell Scripting, patching**.
* System performance tuning, User maintenance and security.
* Scheduling Backups, Monitoring & taking failover test of **Veritas Clustered servers**.
* Trouble shooting and problem resolutions in **SUN, Linux** and **AIX servers.**
* Procedural documentation of supporting applications as well as **SLA** and escalation policies to coordinate with the monitoring systems as deployed.
* Responsible for first and second level problem analysis and resolution for system and application tools utilizing already existing **UNIX scripts and Windows run books.**
* Installation and support of various versions of **Oracle, SQL Server** and **MySQL** databases.
* Used various networking tools such as **SSH, Telnet, RLogin, FTP** and **Ping** to troubleshoot daily networking issues.
* Responsible for administering and maintaining **Linux work stations** running **Apache web server.**
* Installed and configured **SSH, NDM, EMC Power path, Veritas Dynamic multipathing, Oracle client.**
* Expertise in **Linux backup/restore** with tar including **disk partitioning** and **formatting.**
* Managed **email (Postfix and Send mail), LDAP** and **Oracle services.**
* Work with developers to **integrate** their web applications onto standard infrastructure.
* Writing scripts for monitoring **log files** and **sending alerts**.
* Involved in the Recovery of the **UNIX servers**.

Environment: Chef-DK, Chef workstation, Chef Server , Chef V12, Puppet, Splunk, Nginx, OpenStack components – Keystone, Horizon, Nova – compute, Ceilometer , Nagios, Tomcat, Apache web server, VMWare ESXi, Red Hat Linux 5/6/7, Windows 2003/2008, Puppet, Cookbooks, Chef Resources, GitHub, SVN, Jenkins, MongoDB, Web Services, Shell script, Python, Ruby script.

*Client: Curve IT Consulting Duration: Feb 2011 – March 2015*

*Location: Ashburn, VA (OffShore) Role: Build and Release Engineer*

Roles and Responsibilities

* Solving day to day Level-3 problems and following it up with the customer until closure.
* Provide Root Cause Analysis for recurring problems through Logs data analysis.
* Performed User Administrative activities, network related activities including trouble shooting and application Support.
* Maintaining test environment for proactive testing before deploying in the Production server using **Vagrant** for creating Virtual Linux development.
* Deployment of Bug Fixes on to the application server and tracking of the bugs using Bugzilla.
* System administration of **Apache** Web servers, **MySQL** Database servers on Virtual Environment (around 400virtualservers).
* Good Experience in installation, configuration and maintenance of **CISCOUCS** blade servers.
* Well experienced on VMware products: **vSphere, Virtual CenterServer** and **ESX servers**.
* Experienced in maintaining records of adequate supply of storage through daily maintenance.
* Maintained **NAS** gateways, configured NFS shared volumes.
* Experienced in setting up **LDAP** server and managing users and permissions.
* Configured and maintained **MySQL** replication of RW and RO DB servers.
* Handled backup and recovery of Application Servers using **AMANDA** backup tool.
* Handled backup and recovery of MySQLDB databases using **ZMANDA** recovery manager.
* Interacted with developers and deploy the changes to the application servers with **SVN**.

Environment: RedHat Enterprise Linux 5, Windows 2008 server, Vmware vSphere, Hitach AMS storage, Jboss Application Server, Onstor NAS for NFS, Mysql Database, Nagios and Munin Monitoring, Kettle ETL server application, HP Blade servers, CISCO UCS.