**Manoj**

**Summary:**

* Over **7+ years** of experience in IT industry with major focus on **Software Configuration** and **Build/Release Management**.
* Currently working as **DevOps engineer/Build and release engineer** in field of release automation to achieve continuous integration and continuous delivery.
* Hands on experience in installing and administrating CI tools like **Hudson/Jenkins, SubVersion/GIT, Travis and Nexus.**
* Performed integration of Code Quality Analysis Techniques like Checkstyles, FindBugs, and PMD with CI tools like **Hudson/Jenkins**.
* Knowledge on various **Docker** components like Docker Hub, **DockerEngine**, Docker Machine, Compose and Docker Registry
* Experience in administering and supporting the CM tools including **Subversion, CVS** and **Stash** on **UNIX** environments.
* Good understanding of the principles and best practices of Software Configuration Management (SCM) in **Agile, scrum, and Waterfall** methodologies.
* Automating the installations using **Jumpstart, Kickstart** &**Vagrant** building post install scripts using Shell scripting in RHEL Servers.
* Extensive experience in using Build Automation scripting like, Apache **ANT, Maven 3**.
* Good Knowledge in **Shell, batch** scripting.
* Created and maintained various DevOps related tools for the team such as provisioning scripts, deployment tools, and development and staging environments on **AWS, Google Cloud.**
* Implemented **Docker** based Continues Integration and Deployment framework.
* Extensive experience in working with Oracle **Weblogic, JBOSS and Apache Tomcat** applicationservers.
* Experience maintaining automated build systems such as **Bamboo**, **TeamCity**
* Very good experience in installing and configuration of Web servers like **Apache**, **lighttpd** and **Nginx**.
* Experience in maintaining and executing build scripts to **automate development and production builds.**
* Develop scalable build, test and deployment systems in virtualized environments
* Experience in working with **Consul** Service Discovery.
* Experience in application development, debugging, implementation, supporting dev team**, testing of Oracle basedERP** using **SQL, PLSQL**, and **Database Triggers** etc.
* Extensive experience in writing **PL/SQL Packages, Stored Procedures, Triggers and Functions**.
* Worked on improving the Performance of SQL queries by extensive usage of Explain plan and various hints and indexes.
* Experience in building and deploying **Java & SOA** applications and troubleshooting the build and deploy failures.
* Good understanding with REST, SOAP, JSON APIs
* Knowledge of databases like **Oracle 10g/11g and MySQL, Cassandra, MongoDB.**
* Good knowledge of implementing business rules using **puppet/chef**.
* Experience in configuring RabbitMQ, Apache Kafka
* Experience in deployment and configuration of Apache Hadoop, VMware,OpenStack, CloudStack etc.
* Participated in performance tuning, unit test case preparation and execution.
* Experience with Apache/Tomcat, Load Balancer (Apache) and expertise in making configuration changes.
* Knowledge in load balancing and setting up load balancer and firewall rules in and enterprise environment

Provided 24x7 production support and development environments. Ability to communicate requirements effectively to team members and manage applications.

**Technical Skills:**

|  |  |
| --- | --- |
| **Operating Systems** | **Linux (Red Hat 4.x, 5.x, 6.x), UNIX**, **WINDOWS NT/2000/2003/XP/VISTA/7,AIX.** |
| **Version Control Tools** | **CVS, SVN, IBM Rational Clear Case, Perforce, RTC, GIT, SourceTree** |
| **Languages** | **C, JAVA, XML, SHELL, PERL** |
| **Databases** | **My SQL, MS Access, Oracle 9i/10g/11g,DB2** |
| **Application Servers** | **WEBLOGIC, WEBSPHERE, TOMCAT** |
| **Tools** | **ANT, MAVEN, HUDSON/JENKINS, DOCKER, CHEF, PUPPET, BUILD FORGE** |
| **Cloud** | **AWS EC2, VPC, EBS, AMI, SNS, RDS, EBS, CloudWatch, CloudFormation AWS Config, S3, Cloud Trail, IAM. VMWare.** |

**Professional Experience:**

**Blue Cross Blue Shield of Florida, Jacksonville FL Jul 2014 – Present**

**DevOps / Build and Release Engineer**

**Responsibilities:**

* Provided CM and Build support for more than 4 different applications, built and deployed to lower and higher environments. Defined and Implemented CM and Release Management Processes, Policies and Procedure.
* Automated the release pipeline to achieve zero touch deployments using **Jenkins, GIT**, and Nexus.
* Coordinate/assist developers with establishing and applying appropriate branching, labeling/naming conventions using **Subversion (SVN)** source control.
* Implemented **Docker** based Continues Integration and Deployment framework.
* Created Docker images and used **Docker swarm** to monitor and control multiple Docker containers.
* Developed and integrated the deployment process in CI environment using Jenkins.
* Wrote **Chef Recipes** to manage configurations and automate installation process.
* Wrote **UNIX scripts** to automate tasks and created jobs.
* Duties include writing clean, scalable **chef** code, Developing Sensu monitors for alerting and **Varnish** metrics
* Configured Source Code Management tools with **Bamboo** and executed triggers in SVN.
* Deployed & Configured **Nagios, Zabbix** monitoring tools.
* Used **Ansible** server and workstation to manage and configure nodes.
* Created **WAR, JAR & EAR** packages using build tools like ANT & Maven.
* Configured and maintained **Hudson/Travis** to implement the CI process and integrated the tool with **Ant** and **Maven** to schedule the builds. Took the sole responsibility to maintain the CI Jenkins server.
* Designed CD platform using **Docker, Consul**, **jenkins** and **puppet.**
* Created deployment workflows in Jenkins which includes prerelease, release and Post release steps
* Configured **Akamai** Content Delivery Network (CDN).
* Designed and managed infrastructure including Jira and **Level3 CDN.**
* Analyze and resolve conflicts related to merging of source code for **SVN/GIT**.
* Configured **Memcache** for caching on **Apache HTTP servers, nginx**.
* Deploy microservices applications to cloudfoundry and Amazon aws using **teamcity**, **gradle**, and custom scripts.
* Implement, maintain and support reliable, timely and reproducible builds for project teams.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
* Implement, maintain and support reliable, timely and reproducible builds for project teams.
* Implemented the use of **Redis** for caching cluster level support.
* Deployed and configured **Apache Hadoop** and Cassandra
* Interact with developers and Enterprise Configuration Management Team for changes to best practices and tools to eliminate non-efficient practices and bottlenecks.
* Created and maintained user accounts, roles on **Jira**, **MySQL**, MongoDB production and staging servers
* Worked on SDLC, spiral environments.

**Environment: SVN, Jenkins, Web logic, JIRA, Shell, Chef, ruby, Ant, Apache, Maven, Redis, Nginx,Teamcity, Linux, Ansible, Docker, Bamboo, Travis, Varnish, Akamai, Level3 CDN, Memcached**

**Hughes Network Systems, Germantown MD Jul 2013 – Jun 2014**

**DevOps Engineer**

**Responsibilities:**

* Deploy and monitor scalable infrastructure on **Amazon web services (AWS)**& configuration management using puppet and chef.
* Provided installation, configuration & maintenance of pre-prod and production Cloud environments including services such as **Tomcat, Apache, NGINX, Jetty, Kickstart,Memcache**, **Cassandra**, **MySQL**, **Jira**, **MongoDB**etc.
* Involved in maintaining user accounts (IAM), SQS, SNS Services on AWS cloud.
* Set up **Varnish** and configured caching rules to handle sudden burst in traffic.
* Designed puppet modules to manage configurations and automate install process.
* Wrote **Puppet** manifests for deployment and configurations. Deployed PuppetDB.
* Extensive experience in implementing Continuous integration systems for Java based projects using **Ant, Maven, Jenkins** , **Travis**
* Migrated legacy projects from manual deployments to fully automated releases via **TeamCity**.
* Work with development/testing, deployment, systems/infrastructure and project teams to ensure continuous operation of build and test systems.
* Build jar, war & ear packages using build tools.
* Wrote custom **Ansible/Vagrant** scripts to automate building of VM environments for end-users who were not comfortable with executing raw **Docker** commands.
* Developed a distributed, federated identity server in a **Docker** container.
* Implemented**Docker**, Docker Data Volumes, and **Docker Swarm** for deploying development, and production environments.
* Build application and database servers using **AWS EC2** and create AMIs as well as use RDS for MongoDB.
* Implemented multiple high-performance MongoDB replica sets on EC2 with robust reliability.
* Used AWS **BeanStalk** for deploying and scaling web applications and services developed with **Java**, **PHP**, **Python**, **Ruby**, and **Docker** on familiar servers such as Apache, Nginx and IIS.
* Experience with version control tools like **GIT** and **SVN** and integrated build process with Jenkins.
* Configured **Nagios** monitoring tool and **Cacti**in multiple UNIX/Linux servers.
* Configured **Akamai CDN** to accelerate the backend for content delivery.
* Hands on experience in automating builds and deployment process using **UNIX scripting**.
* Utilize Cloud formation and Puppet by creating DevOps processes for consistent and reliable deployment methodology.
* Deployed and configured **Redis** master/slave servers.
* Hashicorp**Consul** is used for service discovery of the instances or a cluster of nodes.
* Setting up cron schedules for backups and monitoring processes.
* Diagnosing and resolving systems related tasks in accordance with priorities setup in dealing with trouble tickets.
* Responsible for maintaining standard operation procedures for storage environment.
* Updating YUM Repository and RedHat Package Manager (RPM).
* On-call support for 24/7 for troubleshooting production issues.
* Worked on Agile environment.

**Environment: AWS, Jenkins, Hudson, Maven, Ant, Nginx, VMware, Puppet, Chef, Git, SVN, MongoDb, memcache, Teamcity, Varnish.**

**Amdocs, Herndon VA Jun 2012 – Jun 2013**

**DevOps Engineer**

**Responsibilities:**

* Designed and Developed **Bamboo** Build deployments on **Weblogic**.
* Managing Weblogic server instances, server clusters.
* Managed Nexus Maven repositories to download the artifacts during the build.
* Branching and merging code lines in the Subversion VCS and resolved all the conflicts raised during the merges.
* To deliver application in a timely manner Scrum methodologies were used.
* Used Rational Clear Case as Version Control System for two applications.
* Managed development streams and integration streams.
* Delivered code baselines into other integration streams in ClearCase and resolved merge issues.
* Designed and developed build Korn shell and Perl scripts.
* Highly skilled in the usage of data center automation and configuration management tool such as Docker
* Experience in writing maven pom.xml and ant build.xml for build scripts.
* Used Maven Nexus Repository to upload the build artifacts after a successful build.
* Installed and administered Atlassian tools like Bamboo, JIRA.
* Created work flows in JIRA to manage the changes from development till Production.
* Automated build process using JENKINS for Continuous Integration and building the artifacts.
* Trained teams on using Confluence for the document and collaboration activities.
* Written Perl/Shell scripts for deployments to Websphere and Weblogic Application servers.
* Deployed the Java applications into web application servers like Web logic.
* Coordinated with Websphere/Weblogic Administrators for python scripts and integrated them with post build scripts.
* Deployed the build artifacts into environments like QA, UAT & Production according to the build life cycle.

**Environment:** Nexus Maven, Jenkins, Apache, Nginx, KornShell, PerlScripts, Shell, BuildForge, BAMBOO, JIRA, Puppet, WebSphere, Weblogic, Linux

**Credibly, New York, NY Jul 2010 to May 2012**

**DevOps Engineer**

**Responsibilities:**

* Responsible for creating builds, Staging and deploying Software Content across multiple environments (DEV, QA, Demo, Test, Staging, UAT and Production)
* Creating Branches in SVN, merging and following Branching Strategy
* Actively managed Production, DEV and other Test environments
* Responsible for leading Release Engineering staff both Onsite and Offshore
* Collaborate with Development Team to resolve build and deployment related conflicts
* Deployment of application builds and configuration changes to over 180 Application Servers for every release
* Migrated the entire Application from JBOSS 4.1 to Tomcat environment.
* Coordinated with different stakeholders for the initial setup, Deployment to new Middleware servers of the Tomcat environment
* Work towards automation and streamlining process with Puppet tool for accuracy of deployments and maintenance
* Monitored and maintained for continuous integration and nightly builds
* Monitoring the health of the servers through Monitoring Tools
* Used the BMC Remedy tool for Deployment Change Requests and Incidents
* Used Teamforge Artifacts to track Change Requests for DEV-QA deployments
* Maintenance of source-code repository through SVN and Deployment code through GIT repository
* Creation and maintenance of Release documentation in co-ordination with DEV/Testing Teams and Business
* Work with Site to create and publish a quality release plan/schedule for multiple releases
* Co-ordinate with Site and other involved Teams during outage

**Environment:** SVN, Jenkins, JBOSS 4.1, Tomcat 6,SoapUI, Nexus, Sonar, BMC Remedy, Oracle, Shell, Python, Ant, Maven, Java, RedHat Linux

**Vision Infotech, Hyderabad IN Mar 2008 – June 2010**

**Linux System Admin**

**Responsibilities:**

* Responsible for Kantar operations UNIX and Linux Server Environments.
* Managed and carried out systemmaintenance, hardware replacements and upgrades. Performed systempatch and software analysis, installs and configuration.
* Installed and Configured RHEL 3/4/5, Solaris 10 on Intel and AMD hardware
* Configured hands-free installation using Kickstart and PXE
* Patching up the system to the latest version as per the recommendations.
* Monitor the health of the servers, Operating system, database and the network.
* Data consistency of file system using fsck and other utility.
* Regular disk management like adding/replacing hard drives on existing servers/workstations, partitioning according to requirements, creating new file systems or growing existing one over the hard drives and managing file system.
* Perform Linux and UNIX Kernel tuning for web, database and application servers.
* Writing shell scripts for Automated Back- ups and Cron Jobs using sh and bash.
* Managed user accounts and groups for corporate UNIX and Linux users.
* Managed and support corporate UNIX and Linux Development servers.
* Responsible for OS installs, systemconfiguration and upgrades.
* Manage and perform change control and administration on application servers, web servers, LDAP servers and database servers in company's mission critical production, staging and development environments.
* Provide responsive off-hours support in a 24/7 environment and ensure maximum availability of all servers and applications.

**Environment:** RHEL 3/4/5, Solaris 9/10, Oracle, WebSphere, JBoss, DHCP, NFS, Apache, DNS.