**Tharun Manchika**

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**Professional Summary:**

* Having **7 Years** of experience in IT industry comprising Software configuration management (SCM) &Linux System Administration, Build/Release management, Amazon Web Services and DevOps.
* Comprehensive understanding of the principles and best practices of Software Configuration Management (**SCM**) processes, which include **compiling, packaging, deploying** and **Application configurations**.
* Experience in setting up Upstream and Downstream Jobs **Jenkins** and **Hudson**. Worked with **Jenkins Pipelines**.
* Experience in working on source controller tools like **Subversion (SVN), GIT, Clearcase and Harvest.**
* Experience in software build tools like **Apache Maven, Apache Ant** to write **Pom.xml** and **Build.xml** respectively.
* Experience in administering and configuring **Nexus** Repository Manager for **Maven** builds.
* Expert in deploying the code through web application servers like **Web Sphere/Apache Tomcat/JBOSS.**
* Extensively worked on **Hudson/Jenkins and IBM Rational Build Forge** for continuous integration and for End-to-End automation for all build and deployments.
* Ability to build deployment, build scripts and automated solutions (using scripting languages such as **Shell, Perl, JavaScript, AWK, etc.)**
* Managed environments **DEV, SIT, QA, UAT and PROD** for various releases and designed instance strategies.
* Experience in Querying **RDBMS** such as **Oracle, MY SQL and DB2** by using **SQL** for data integrity**.**
* Good knowledge in **bash/shell scripting.**
* Strong working knowledge in defect tracking and ticketing tool **JIRA, Confluence and Service now.**
* Good understanding of Operating Systems like **Linux, UNIX, Windows, Mac OS.**
* Extensive work implementing and customizing big **JIRA INSTANCES** for Project Tracking, Test Management, Support Tickets and Agile tracking
* Hands-on Experience of the **J2EE** Framework and its components as related to Java build, test, deployment and release management initiatives.
* Experienced in handling **Release Management activities.**
* Directed, trained, co-ordinated and supervised the duties of operations, personnel to achieve the maximum efficiency in build and release process.
* Instigated integration process **run-book documentation** and streamlined alert notifications for quicker incident solution.
* Proficient in trouble shooting complex build problems, release issue and environment issues in multi component environment.
* Closely worked with Developers and Analysts to address project requirements. Able to effectively manage time and prioritize multiple projects.
* Self-motivated, quick learner takes independent responsibility to contribute and teamwork skills.

**Technical skills:**

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| --- | --- |
| Programming Languages | C, C++, Perl scripting, Shell scripting, Python, SQL, Java/J2EE. |
| Operating Systems | Windows 7/Vista/XP/2003/2000/NT/98/95, Linux, Unix, Mac OS. |
| Build Tools | ANT, MAVEN |
| Databases | Oracle 11g/10g/9i/8i, MYSQL, SQL Server 2008. |
| CI Tools | Hudson, Jenkins, and Build Forge, Bamboo |
| Web Servers | Web logic, Web Sphere, Apache Tomcat, JBOSS |
| Version Control System | Subversion (SVN), GitHub, Clearcase and Harvest |
| Tracking tools | Atlassian tools JIRA, Confluence, ServiceNow, Bamboo, JIRA Service Desk, JIRA Agile, Remedy, Clear Quest, BugZilla. |
| Repositories | Nexus, Artifactory. |

**WORK EXPERIENCE:**

**Gilead Sciences, Foster City, CA June 2015 – Till Date**

**Sr. DevOps Coordinator**

**Responsibilities:**

* Installation, upgrade, and configuration of Red Hat Enterprise Linux 6.x, 7.x operating systems on Cloud environment.
* Migrated service from a managed hosting environment to AWS including: service design, network layout, HIPAA compliance, data migration, automation, monitoring, deployments and cutover, documentation, overall plan, cost analysis, and timeline.
* Primary duties include Build and Deployment of the java applications onto different environments DEV/IT, UAT, Production and DR environment of Linux Servers.
* Worked closely with the development and operations organizations to implement the necessary tools and process to support the automation of builds, deployments, testing and infrastructure (infrastructure as code) using puppet.
* Installed, configured, and supported Puppet to standardize environments.
* Worked on Puppet extensively for deployment of AWS EC2 instances, creating custom scripts and managing changes through Puppet master server on its clients.
* Root password management on all servers from centralized Puppet master server.
* Wrote custom script in puppet for package management (rpm, yum) in Red hat Linux.
* Assembling Puppet Master, Agent and Database servers on multiple Red Hat Enterprise Linux Platforms.
* Used Subversion/Git as source code repositories, developed build and deployment processes for Pre-production environments.
* Managed SVN & Git repositories for branching, merging, and tagging, Resolved merging issues during rebasing and re-integrating branches by conducting meetings with development Team   
  Leads.
* Involved in building Java applications using Maven and POM.xml
* Used Jenkins for Continuous Integration and deployment into Tomcat/Web logic Application Server.
* Installed and Configured the Nexus repository manager for sharing the artifacts within the company.
* Deployed monitoring systems via Nagios to provide operations visibility and help meet internal SLA
* Manage all CM tools (SVN, Maven, Jenkins, Git, GitHub) and their usage process ensuring traceability, repeatability, quality, and support
* Assisted Engineering team with expanding the security requirements on Linux Installed and Configured the Nexus repository manager for sharing the artifacts within the company.
* Load and performance analysis and improvements for My SQL Server and Cassandra databases.
* Installed & maintained Selenium & Cucumber jars in Eclipse IDE, maven, Jenkins & cucumber Plugins.
* Analyze the results and identify the root cause of job fails on Jenkins.
* Management, rotation, configuration and organization of large volume of logs spread across largely distributed Linux Environment.
* Proficient with ITSM ticketing system.
* Performed automated jobs to do patching, selinux, FTP, Vulnerability, logrotate, Inventory backup, post build tasks using scripting.
* Actively involved in configuration and deployment of various sets of custom configuration pertaining to Linux/UNIX server security, OS hardening, and maintenance of Baseline standards.

**Environment: Red Hat Enterprise Linux 5.x/6.x, 7.x, AWS VPC-EC2- RDS, Puppet Enterprise, Python, SVN, Maven, Jenkins, ANT, Git, GitHub, ITSM, Selenium WD, Tomcat/Web logic Application Server, My SQL Server, Cassandra, Nexus, SVN**

**Samsung SDSA, Ridgefield Park, NJ** Oct 2014 – May 2015

**Build and Release Engineer**

**Responsibilities**:

* Worked on Cisco Service Portal and Cisco Intelligent Automation Center 2.8 for setting up self-service private cloud model.
* Installed and Administered Jenkins Continuous Integration and build pipelines.
* Worked on VMWare 5.0 on 95% virtualized non production environments.
* Created PowerShell Scripts using PowerCLI to interact with VMWare VSphere for provisioning and removal of VM's.
* Supported the team by providing documentation and installation instructions assistance to create Puppet Modules for the non prod environments.
* Point of contact to on-shore team and responsible for handoff/knowledge transfer
* Setup Urban Code Deploy workflows for Automated deployment.
* Participated in the release cycle of the product which involves environments like Development, QA and UAT.
* Wrote build.xml for applications using Ant.
* Analyzing ANT Projects for Converting ANT Build Projects to Maven Build Projects.
* Developing Maven Build Scripts based on the requirements.
* Managed Maven project dependencies by creating parent-child relationships between projects
* Developed and implemented Software Configuration Management strategies for various applications according to the agile process.
* Managed the Subversion branching strategy for few applications by creating Release branches, Development branches thus ensuring the integrity of Trunk.
* Jenkins is used as a continuous integration tool for build and deployment of JAVA code.
* Used Nexus as Artifact Repository Manager.
* Worked in agile modeled software development life cycle.
* Participated in weekly release meetings with Technology, stakeholders to identify and mitigate potential risks associated with the monthly releases.
* Involved in troubleshooting the automation of Installing and configuring JAVA applications in the test and pre-production environments.
* Deployed the archives like war files into the Tomcat Application Servers.

**Environment: Subversion, GIT, Anthill pro, Java/J2EE, ANT, MAVEN, JIRA, LINUX, XML, VMWare, Cisco, RedHat, Solaris, Puppet, Chef, Devops, AWS, DNS, Nagios, Shell Scripting, python, Bash.**

**Care Group Health Care, Boston, MA** Apr 2014 – Sept 2014

**Build and Release Engineer**

**Responsibilities**:

* Designed and implemented fully automated server build management, monitoring and deployment solutions spanning multiple platforms, tools and technologies including **Jenkins Nodes/Agent, SSH, Amazon EC2 etc.**
* Build server deployment on Cloud (**EC2**) servers with help of devops tools like Puppet
* Created the naming strategy for branches and labels and involved continuous integration system with **GIT** version control repository and Continually build as the check-in’s come from the developer.
* Built Continuous Integration environment (**Jenkins, Nexus**). And Continuous delivery environment (**puppet**).
* Responsible for distributed applications across hybrid AWS and physical data centers
* Strengthening security by implementing and maintaining Network Address Translation in company’s network
* Supported small to medium sized projects using **GIT**
* Worked on integrating **GIT** into the **continuous Integration (CI**) environment along with **Anthill-Pro, Jenkins**
* Developed a continuous deployment pipeline using **Jenkins, Ruby/shell scripts**.
* Supporting Local System Administrators to troubleshoot **Configuration Management** and Network issues.
* Created and maintained continuous build and continuous integration environments in **SCRUM** and **Agile** projects.
* Importing the data in **Splunk** through inputs.conf, props.conf and transforms.conf.
* Automation/Simplification of Digital Guarding Process through **SPLUNK.**

**Environment:GIT, Jira, Maven, ANT, Jenkins, Puppet, Unix Shell Scripting, Splunk , Anthill Pro, AWS, Nexus.**

**Xtrac Solutions, Salt Lake City, UT** Oct 2013 - Mar 2014

**Build and Release Engineer**

**Responsibilities**:

* Participated in the release cycle of the product which involve environments like **Development, INT and QA**
* Responsible for configuration, maintenance, and troubleshooting Portal.
* Used SVNfor the purpose of Software Configuration management and maintaining the versions of code.
* Managed **SVN** repositories for branching, merging, and tagging.
* Developed Shell/Batch/Perl Scripts for automation purpose.
* Resolving merging issues during build and release by conducting meetings with developers and managers.
* Responsible for designing and deploying best SCM processes and procedures
* Used **Ant** Scripts to automate the build process.
* Developed **UNIX** and **Perl Scripts** for the purpose of manual deployment of the code to the different environments and E-mail the team when the build is completed.
* Deployed application modules to WAS 6.0 based clusters via ND admin console.
* Created deployment request tickets in **Bugzilla** for the deploying the code to Production.
* Attended the **Minor/Major Event change control** meetings to get necessary approvals for the deployment request.
* Used **Perl/Shel**l to automate build and deployment Process.
* Coordinated with developers, Business Analyst and Mangers to make sure that code is deployed in the Production environment.

**Environment: SVN, ANT, UNIX, Linux, Perl Scripts, Bugzilla, WebSphere Application Server.**

**Gryphonsoft Solutions Pvt.Ltd, Bangalore, India**Jan 2011 – Sept 2013

**Build & Release Manager**

**Responsibilities:**

* Responsible for the Development, SIT and QA Environments.
* Used **Harvest** as Version control and Process Control Tool.
* Involved in creating Release branches, Merging and Re-integrating the changes to Trunk.
* Developed the **Maven** build scripts (pom.xml's).
* Managed Maven project dependencies by creating parent-child relationships between projects.
* Integrating the code quality analysis tools like **Cobertura**, **Find Bugs**, **JUnit**, **PMD**, and **Checkstyle** into the projects.
* Involved in tweaking ANT Build.xml’s.
* Building and Administering the **Jenkins** Continuous Integration servers.
* Built and Configured Jenkins Slaves for Parallel Job execution.
* Creating new build jobs, Integration testing jobs and deploy jobs in Jenkins to automate the process.
* Installed and Configured the **Apache Tomcat** application servers for Dev and Integration Test Environments.
* Automated the process of deployment to Apache Tomcat Application Servers by developing Perl Scripts.
* Worked in Agile Project management Process.
* Experience in Bug/issue tracking tools like **Bugzilla, Atlassian JIRA** and knowledge on IBM **clearquest & BMC Remedy**
* Built and Deployed **Java/J2EE** to Tomcat Application servers in an Agile continuous integration process and automated the whole process.
* Involved in periodic archiving and storage of the source code for disaster recovery.
* Developed, maintained, and distributed release notes for each scheduled release.
* Performed Database Tasks as executing DML’s in **MySQL**.
* Participated as an active member of Change Control Board in Production Readiness process.
* Worked with HP QC for Issue Tracking and monitoring.
* Worked closely with the Development Team in the design phase and developed use case diagrams using Rational Rose.
* Worked with the Architects on SDLC process being the owner of post development environments
* Coordinated the resources by working closely with Project Managers for the release and carried deployments and builds on various environments using continuous integration tool
* Developed and implemented the software release management for the release of web applications.

**Environment:Harvest, Jenkins, Apache Tomcat, JIRA, Clear Quest, Perl Scripts, Java/J2EE, MySQL**

**3EMR Technologies, Hyderabad, India**Nov 2008 – Dec 2010

**Systems Engineer**

**Responsibilities**:

* Responsible for maintaining Version Control repositories, User Management in SVN.
* Identified the Business Requirements of the project.
* Preparing the Design document by reviewing the Solution Requirement Specifications.
* Handling Status Calls to explain the progress of defects.
* Deployed to **Web Sphere** application server
* Capable of Creating new database instances & managing table Spaces, users & roles.
* Conversant in **XML** related technologies.
* Deployed and configured, windows 2000/ 2003, Servers with **DHCP, Active Directory Domain Controllers, Group Policy, Internet, TCP/IP and Routing concept**.
* Experience in developing dynamic web based user interfaces using **HTML** and **Java Script**.
* Installing new hardware (servers, printers, computer workstations, etc.)
* Setting up user accounts, permissions and passwords
* Training staff on new systems
* Installing Hard Disks, Memory and installing new software releases, systems upgrades and resolve software related problems.
* Processing the queue of managed support tickets.
* Work on troubleshooting network problems.
* Document the procedures so the issue can be quickly resolved in the future.
* Used **HPSM** as a ticketing tool to document tickets.

**Environment: HTML, XML, DHCP, Netopia Router, FTP, TFTP,Java Script and HPSM, Microsoft Windows 95/98/2000/XP/2003, Linux.**

**Education:** Bachelor of Technology from Gitam University, Visakhapatnam, India.