**Sandeep Mootakoduru**

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**Overview**

Over **8+** **years** experiences as **Unix System Adminstrator and DevOps** in Design, Development, optimization support and administration. DevOps Engineer understands the melding of operations and development to quickly deliver code to customers. Has experience with the Cloud and monitoring processes.

**work experience**

* Working as a DevOps Engineer with 5 year's for **Tech Mahindra**, Hyderabad from **July 2015 to Till Now.**
* Working as Systems Administrator in **IBM India Pvt Limited** (**Dec 2011 to June 2015**) providing remote System Administration support in production environment.

**Professional Summary**

* 3+ years of IT industry experience in Configuration, Build, Release and Deployment Management.
* 3 + years of Unix System Adminstration
* Experienced in Build and Release Engineering in Automating and Deployment activities.
* Experience in DevOps tools like **GIT, MAVEN, JENKINS, JIRA, SONARQUBE, NEXUS, APACHE TOMCAT, CHEF, ANSIBLE**, **DOCKER, NAGIOS, AWS (EC2, RDS, Autoscaling, ELB, VPC, S3 etc. )**
* Familiar with Source code Management tool Subversion.
* Good knowledge on source controller concepts like Branches, Merges and Tags.
* Good hands on experience in Build automation tools like Maven.
* Expertise Knowledge in version control system such as GIT.
* Installing new plug-ins in Jenkins.
* Configured Continuous Integration (CI) tools Jenkins from scratch and managed Jenkins Plugins, created slave nodes, created build and deployment jobs.
* Strong knowledge on GIT branching strategy.
* Automating the application deployment in Dev, SIT, UAT, PTE, Pre-Prod and Production environments.
* Good Knowledge on Application servers like Tomcat, JBoss, WebLogic, WebSphere.
* Hosting and maintaining GIT, Jenkins and Chef/Ansible and Debugging issues if there is any failure in broken Jenkins build and maintaining.
* Good in troubleshooting the bugs generated during build and release.
* Having knowledge on NexusRepositoryManager**.**
* Having knowledge on code quality plug-inSonarQube**.**
* Actively involved in various project requirement analysis in addition to project development.
* Configuring the Dockercontainers and creating Docker files for different environments
* Knowledge on AWS (EC2 Instances, IAM Role, S3 Storage, Elastic Beanstalk, RDS,Route53,Autoscaling,ELB,VPC,S3, Elastic Beanstalk )
* Remote System Administration of Solaris/linux servers, Providing Level-2 support to the global customers.
* Actively involved in Incident Management, Problem Management, Service Management and incident Management.
* Problem determination and resolution within agreed SLA.
* Responsibilities include providing 24\*7 offshore/remote support.
* Handling escalations, updating the wider audience periodically.
* Attending the bridge calls, coordinating with various teams like storage, network teams for resolving the problem.
* Actively involved in Planned Outages .
* Logging Call’s and working with Vendor’s for any hardware related failures.
* Knowledge acquisitions, Knowledge transfer, to nurture Technical competencies within the team.
* Hands on experience in automating routine tasks using UNIX,shell scripts.
* Involved in System & Application Monitoring, Troubleshooting activities.
* Experienced in deployment of patches related to servers as well as Application in production environment using packageadd & rpm utilities.
* Involved in performing daily health checks for the servers.
* Involved in Performance tuning, CPU, Memory, Swap.
* Archiving the old logs for better application processing.

**Educational Credentials**

* MCA from **Osmania University.**

**IT Skill Set**

**Operating Systems : Linux (RedHat, Centos** and **Ubuntu), Windows**

**Version Control : Subversion, GIT, GitHub**

**Automation/Build Tools : Maven, Jenkins, Teamcity, Docker, Chef, Ansible**

**Application Servers : Apache Tomcat , WebSphere**

**Scripting Languages : Shell scripting .**

# **Code Coverage Tool : SonarQube**

**Artefact repository : Nexus**

**Virtualization : VMware, Vagrant,** **Virtualbox**

**Amazon Web Services : (EC2, ELB, Lambda,Lightsail, S3 storage, VPC,IAM).**

**Monitoring Tool : Nagios.**

**professional Experience**

**PROJECT DETAILS:**

**Project: 1**

**Project Title : Commercial Cards**

**Client : HSBC**

**Team size : 7**

**Duration : March -2017 to Till Now**

**Role : Devops Consultant**

**Environment:**

**Devops Tools**: **GIT, MAVEN, NEXUS, JENKINS, TEAMCITY CHEF, DOCKER, AWS, IBM UDEPLOY, WEBSPHERE, KUBERNETES**

**Description:**

Commercial credit is a pre-approved amount of money issued by a bank to a company that can be accessed by the borrowing company at any time to help meet various financial obligations. Commercial credit is commonly used to fund common day-to-day operations and is often paid back once funds become available. Commercial credit can be offered in either a revolving or non-revolving [line of credit](https://www.investopedia.com/terms/l/lineofcredit.asp).

Commercial credit is also commonly referred to as a "commercial line of credit" or "[business credit](https://www.investopedia.com/terms/b/business-credit-card.asp)."

**RESPONSIBILITIES:**

* Create branches for various code line deliveries and merging to the main code base after every PRODUCTION release.
* Setting up build server for continuous integration with Jenkins for daily/nightly and weekly based builds.
* Deploying WAR files in WEBSPHERE/UDEPLOY.
* Creating PROD Versions and Processes for PRODUCTION Release.
* Involving in PRODUCTION Release activities.
* Communicating with Development teams in advance for all PRODUCTION releases planned.
* Automated GIT version control related activities for releasing locks, label creation, Label validation and differences, and integrated it with Jenkins jobs.
* Schedule releases for QA/UAT Environments.
* Creating Release Note for every DEV/SIT/UAT/STAGE/PROD release.
* Setting up build server for continuous integration with Jenkins for daily/nightly and weekly based builds.
* Responsible for getting business and green zone time approvals for PROD release(s) in advance by providing the fixes/bugs information and downtime.
* Have Supported 24/7 timeline for Project and helped them in extended hours when no one was available in night shifts.

**Project: 2**

**Project Title :** [**Standard Chartered Credit Bank**](https://www.sc.com/in/)

**Client : Standard Chartered.**

**Team size : 5**

**Duration : Jun -2016 to Feb - 2017**

**Role : Jr.Devops Engineer**

**Environment:**

**Devops Tools: GIT, MAVEN, NEXUS, JENKINS, SONARQUBE, ANSIBLE, DOCKER, KUBERNETES AWS, Apache Application Server**.

**Description:**

Standard Chartered Credit Bank is part of a farmer-owned credit cooperative system. The Bank’s owners/customers are comprised of approximately 20 Agricultural Credit Associations (ACAs) and each of these ACAs and the Bank can have a share of a loan originated by either an ACA or the Bank. The Bank and each ACA is considered an Standard Chartered Legal Entity (LE).

For Standard Chartered the intent of the enhancements described in this Business Requirements Document (BRD) is to provide the ability to centrally manage customer data in a secured way, to create and update facility and loan information, and have that information automatically propagated to the participant’s portfolio. This information propagation, or “data mirroring,” is included in the Multi-Legal Entity (MLE) enhancement, which provides for new levels of data management automation for participations between the Legal Entities.

**RESPONSIBILITIES:**

**GIT activities:**

* Installing GIT.
* Creating repositories and adding users.
* Providing Access to the members who want to work on GIT Repo.
* Creating Branches and Tags.
* Merge activities and resolving conflicts raised at the time of merge.
* Maintaining Branch and tags creation in a GIt document.
* Experience in configuring GIT to the CI tool like Jenkins.
* Responsible for maintaining GIT documentation.
* Coordinating with Developers for merge issues to resolve conflicts.

**Build And Release Activities:**

* Creating War/Ear files using Maven build tools.
* Responsible for taking the build and deployment using Jenkins and Maven**.**
* Hands on experience in setting up and configuring HUDSON/JENKINS Tool.
* Creating maven jobs in Jenkins.
* Build and Release process automation.
* Responsible for creating the new build setup and new projects using Jenkins.
* Creating Maven Builds (build.xml) for various projects.
* Troubleshooting issues while taking build.
* Deploying Builds to the application servers.
* Monitoring the builds results*.*

**CI Activities:**

* Good experience in CI tools like Jenkins/Hudson.
* Deep knowledge of CI (Continuous Integration) and CD (Continuous Deployment) methodologies with Jenkins.
* Configuring Jenkins with the Subversion and build using maven.
* Responsible for maintaining Multiple DevOps tools & configuring across all projects Subversion ,GIT, Maven, Jenkins ,Artifactory , Chef.
* Working experience with Jenkins automation configured with Maven and GIT.
* Adding plugins or updating plugins in Jenkins.
* Monitoring build results in Jenkins and deploying successful artifacts to the application servers from Jenkins.
* Resolving Jenkins issues*.*
* Help Development teams automate the environment setup using tool like Ansible.
* Setup DEV, QA and UAT environments for every sprint using Ansible.
* Configuring CRON Jobs for executing daily activities such as Backup/Archive etc in Ansible.
* Automated the deployments to DEV and QA Environments by picking up builds from Jenkins using Ansible.

**AWS Activities:**

* Launching Amazon EC2 Cloud Instances using Amazon Web Services (Linux/ Ubuntu) and Configuring launched instances with respect to specific applications.
* Creating EC2 Instances
* Defined AWS Security Groups which acted as virtual firewalls that controlled the traffic allowed to reaching one or more AWS EC2 instances.
* 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.
* Configuring and Networking of Virtual Private Cloud (VPC)
* Used IAM to create new accounts, roles and groups.

**Project: 3**

**Project Title : Health care solutions**

**Client : Micron Systems, US.**

**Team size : 3**

**Duration : Jun-2015 to May -2016.**

**Role : Build and Release Engineer.**

**Environment:**

**Build & Release Tools:** **MAVEN, GIT, JENKINS/HUDSON, Apache Application server**

**Description:**

The Health Care Solutions (HCS) is designed carefully to keep a clear check on operations. It provides information about various modules like Registration, Doctor, Laboratory Details, and Admin etc., in this application. This System provides various reports like Patient Registration, Patient listing, Doctors Specialization wise listing, Daily Collection reports, Bill Summary.

**RESPONSIBILITIES:**

* Creating branches, comparing & merging using Subversion.
* Maintain track of different releases that are being carried over in different environments.
* Creating War/Ear files using Maven.
* Managing all phases of Build and Release activities and deployment
* Responsible for Creating, Deploying and Posting Patches, Automating Patch Build Process.
* Administration of Subversion tool includes creating branches, tagging, and access permissions.
* Worked with Subversion, Proposed and implemented branching strategy.
* Installation and troubleshooting GIT related problems.
* Coordinating with developers and testers for GIT related issues.
* Automating builds using Jenkins
* Responsible for Daily builds, Continuous build and patch builds
* Responsible for creating the new build setup and new projects using Jenkins
* Responsible for taking the build and deployment using Jenkins and Maven
* Oversee the entire software development life cycle and ensure that the development, QA and strategy**.**

**Date:**

**Place: Hyderabad (Sandeep Mootakoduru)** 