**CURRICULUM VITAE**

**C.R.SHANMUGASUNDARAM**

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**Profile Summary:**

5.5 years of experience in **Software** **Configuration Build & Release Management and Open source R&D,** in IT industries. I have gained good knowledge of Tools administration on **Collabnet Subversion, Collabnet Subversion Edge(SVN), Serena Dimension CM, Serena version manager (PVCS), GIT and Rational Team Concert (RTC) for change and Configuration Management and Continuous Integration Jenkins and HUDSON.** Learning **Python Script to automate the build systems**. Seeking a position to utilize my skills and abilities in the Information Technology Industry that offers professional growth while being resourceful, innovative and flexible.

**Educational Experience**

* B.E Electronics and Communication Eng. from Sakthi Engineering college with 75.00%
* MBA – SYSTEM MANAGEMENT in Madras University-Chennai

**Technical Skills:**

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| **Operating Systems** | **Windows XP, Windows 7,Windows server 2003,Windows server 2008 and Linux(REDHAT, CENTOS and Ubuntu)** |
| **Source Control Management Tools** | **RTC(CCM), Serena PVCS, Serena Dimension CM, Collabnet Subversion(SVN), Collabnet Subversion Edge, GIT and ClearCase** |
| **Change/ Bug Management** | **RTC** |
| **Continuous Integration** | **Jenkins or Hudson** |
| **Configuration Management Tool** | **Ansible** |
| **Code Review Tool** | **Gerrit** |
| **Static Code Analysis** | **SonarQube** |

**Work Experience:**

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| --- | --- | --- | --- |
| **Employer** | **From** | **To** | **Designation** |
| **HCL Technologies** | **31-March-2016** | **Till Present** | **SCM-Devops Engineer** |
| Tata Consultancy Services | 29-July-2015 | 25-March-2016 | Systems Engineer |
| Cognizant Technologies Solutions | 25-Feb-2015 | 24-July-2015 | Senior System Executive |
| HCL Technologies Ltd | 17-Jan-13 | 20-Feb-2015 | Software Engineer |

**Professional Experience:**

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| --- | --- | --- | --- |
| **Client** | **Tools used** | **OS** | **Designation** |
| KLA-TENCOR | GIT & Gerrit, SVN, JENKINS, RTC, SONARQUBE and Ansible | WINDOWS/LINUX | SCM**-**Devops Engineer |
| VISTEON | GIT, RTC, SVN, JENKINS, PVCS, SBM and Dimensions | WINDOWS/LINUX | Build & Release Engineer |
| AVON | GIT, RTC, SVN and JENKINS | WINDOWS/LINUX | Build & Release Engineer |
| Tools Group | GIT, RTC, SVN, JENKINS, PVCS, Dimension and Gerrit | WINDOWS/LINUX | SCM-Devops Engineer |

**IBM-RTC (Rational Team Concert)**

* Setup and Administration of RTC (Windows)
* Responsible for creation of user accounts using LDAP, User archival, License assigning
* Creation of Projects and setting policies in Rational Team Concert, Creation of Team areas.
* Creation of Dashboards in RTC web client.
* Evaluation of source control aspects and build in Rational Team Concert
* Creation of Streams and components.
* Setting up of Stream locks if required.
* Installing of builds using Rational Team Concert in test environments
* Administering and maintaining of source code repositories stored within the software configuration management tools which is Rational Team Concert
* Managing RTC Eclipse client issues like handling Work item issues, Source control issues, roles & privileges, Work item customization, Releases, Dashboards etc.
* Individually have capable of handling issues in RTC eclipse client
* Source code management in Rational Team Concert
* Creating Build Engine
* Customize the work item as per the needs
* Creating Timelines, iterations and releases
* Migrating source code from ClearCase to RTC with history
* Migrating the components from one server to another
* Merging across the stream.
* Working on Perl Scripts for build as per the requirements.
* Creating Snapshot and Baselines
* Migrating the Work Item one CCM to another (Import and Export)
* Creating Dashboards
* Working Command line Interface

**GIT:**

* Setup a GIT server(Gitolite), creating repository and adding users on both Linux and windows platform.
* Provide administration and user level support for GIT
* GIT Administration
* SSH Configuration
* Responsible for creation of user accounts and PUB key generation
* Creating the master Branch, release branch and feature branch.
* Merging the across the branch.
* Creating the Tag(Baselines) once build completed.
* Switching between the Branch
* Migrating SVN to GIT
* Solving GIT Conflict issues
* GIT Revert after commit
* GIT Stash Operation
* GIT Patch operation
* GIT FIX Mistakes
* Worked closely with Developer’s in debugging issues.

**SVN (Subversion):**

* Collabnet Subversion Administration (Installation of Server and client, Repository creation User and group management, Folder level restriction, File restoration Migration )
* Collabnet Subversion Edge Administration (Installation of Server and client, Repository creation User and group management, Folder level restriction, File restoration, Migration )
* Migration of source code management data from PVCS to SVN using SVN importer
* Working with Tortoise SVN as subversion client. Integration of SCM tool with IDE (Eclipse)
* SVN Command line Interface
* Creating Branches and merging the source code.
* Creating base line.
* Worked closely with Developer’s in debugging issues.
* Kept daily tracks of work done and provided the data to the clients on monthly basis.
* Migrating SVN Repositories from one server to another server with History.
* SVN Atomic commits

**PVCS (Serena Version Manager) and Serena Dimensions CM :**

* Provide administration and user level support for all PVCS, and Serena Dimension CM Serena Dimension CM Administration Activities
* Installation of Dimension with oracle, connecting with License server.
* Database creation, Product, Project creation, User and Groups management, Roles Assignments and Privileges, Design parts workflow, Life cycle creation, Valid set Definition creation
* Created workflows on Serena dimensions CM.
* Serena PVCS Administration (installation of Server and Client)
* PVCS Database creation
* Responsible for user creation and license assigning
* User level permission, Migration
* Create Branch and merging across the branch
* Create a baseline and labels
* Semaphore issues fixes.
* Connecting with file server admin

**CI/CD- Jenkins:**

* Setup a Jenkins server on both linux and Windows
* Responsible for user creation and LDAP Integration
* Providing administration and user level support for Jenkins
* Jenkins upgrading using Jenkins.war
* Installing Apache Tomcat and deploying Jenkins. War
* Creating the Jobs and setup the parameters.
* Creating the Nodes (Slave Agents) and connecting nodes with JAVA servlet and install as service.
* Taking the Jenkins backup
* Setup the Email Notification
* Working with Source code management plugins for automate build system.
* Working with Build triggers (Build Periodically, Poll SCM)
* Working with Upstream and downstream jobs
* Integrate the SONARQUBE and JENKINS
* Manage Plugins
* Started working on Pipelines
* Once Build completed , It will deploy the package into server and it will installed automatically.

**GERRIT:**

* Installing gerrit Review
* Configuring GIT Review
* Setup a GIT review
* Setup SSH keys in Gerrit.
* Gerrit create branch, Make & Commit your changes, Prepare push changes to gerrit.
* Gerrit Update master, View the changes and editing via the web interface
* Review Before merge and how to comment on, review and merge.

**SONARQUBE:**

* Setup and configure SonarQube instance on Windows and Linux
* Setup and configure sonar scanner instance on Windows and Linux
* Analysis codes on c, c++ and Java projects
* Integrating with Jenkins
* Working on ANT based JAVA projects.
* Working sonar. properties files

**Ansible:**

* Setup and configure the Ansible on Windows and Linux
* Working on Playbooks for small requirements
* Configuring the webservers and database servers on host file.
* SSH key configuration

**Achievements:**

* Individually done installation on Serena dimension CM with oracle and connected with license server with limited Knowledge transfer, implemented many projects in Serena dimension
* Individually supporting 30 + projects in Serena dimension.
* Individually supporting 50 + projects in Serena version manager (PVCS).
* Individually supporting 100 + projects in subversion and subversion edge.
* Implemented Subversion Edge
* Migrated 20 + projects in Serena version manager PVCS to SVN
* PVCS2SVN migration done with fully customer satisfaction
* VSS2SVN migration done with fully customer satisfaction
* Migrated 20+ ClearCase branches to RTC with history and got rewarded.

**Personal Details:**

**Name** **:** C.R.SHANMUGASUNDARAM

**Father’s Name** **:** M.S.RAJAKUMAR

**Date of Birth** **:** 05-Dec-1989

**Sex :** Male

**Marital Status** **:** Single

**Languages Known** **:** Tamil and English

**Signature**

**C.R.SHANMUGASUNDARAM**