

**Nalaka Deegala**

# Professional Profile

A seasoned change management professional with 16 years of experience, providing timely industry leading solutions in all areas related to Software Configuration Management, Building and Releasing Management/Automation, Continuous Integration (CI), Continuous Delivery (CD), and DevOps.

In the last 10 years, I have collaborated with, successful mid to large size (several Fortune 500) companies, and learn from them a multitude of methodologies, processes, tool stacks, and playing many roles, such as; CM manager, CM SME, CI/CD SME, sr. CM Consultant, CM Team Lead, to name a few.

# Core Skill Areas

* Implement solutions in Agile based Software Configuration Management (source control, change tracking, and builds), continuous Integration and continuous delivery, and devops environments.
* Ability to work in collaboration with management as well as technical leads to resolve critical issues that are prohibiting development.
* Create, own, manage, build and deploy environments, use tools involved, and the processes, that allows for quick release cycles, from development to each environment in the release pipeline
* Use DevOps culture to break down silos, remove bottlenecks, and empower development for quick releases
* Automate DevOps pipelines using appropriate tool stack
* Research, evaluate, and recommend tools that improves efficiencies.
* Establish clear change tracking processes, workflows, and implement those processes using tools: TFS, JIRA, ClearQuest
* Active promoter, evangelist of DevOps culture, CI/CD, and Agile
* Document, present, and provide guidance on tool use, current process, policies, and best practices

# Technical Skills

* **Methodologies:** DevOps, Continuous Integration/Continuous Delivery, Agile, Test Driven Dev
* **Source Control**: TFS (Team Foundation Server), Git-hub, ClearCase, Starteam, Perforce
* **Change Tracking:** TFS, JIRA, ClearQuest
* **DevOps and Build tools:** uDeploy, Jenkins, CruiseControl, TFS Build, Ant, Nant,
* **Automation Languages:** Powershell, Batch, Perl, UNIX shell, Ant, Nant, and light SQL

# Experience

***Senior SCM IV/DevOps Architect August 2016- February 2017***

***Leidos***

* Manage the Enterprise Configuration Management team for HIIS division of Leidos
* Lead the effort in introducing DevOps, creating a culture, and implement multiple tool stacks for several different environments (Win, Linux).
* A founding member of the DevOps Tiger team (handle critical impediments the end goal)
* Accountable for all aspects of Configuration Management and CM related DevOps, including the TFS environment (source control, change requests, builds/deployments), and the development and CM environments and their configurations
* Created a fully automated CI/CD environment with DevOps as a goal, that allows faster consistent deployments to all environments
* Establish, present, and implement branching strategies to resolve release and development issues
* Migrate the TFS and Development environments from physical servers to the cloud
* Install and configure TFS with reports
* Create and modify TFS Work Items Types, customized workflows, fields, and behavior

**Configuration Management Lead/ DevOps Engineer *May 2012- October 2013***

***Inovalon***

* Design and develop a CI/CD environment, allowing faster, reliable, repeatable, traceable, releases/deliveries to all environments
* Implement process changes to allow CI/CD to flourish
* Introduce CI/CD to each product development team, and provide support throughout transitions
* Create customized CI/CD pipelines, based on the technologies being used by each product development team
* Design, document, and implement TFS branching/merging strategies to minimize release complexities
* Research CI/CD orchestration tools currently in the market, create a present a DAR, and recommend parts that fit the organization needs to support uDeploy and DevOps pipelines.
* Install and configure uDeploy Server and Agents (v4.8.3)
* Create DevOps pipelines using the Windows tool stack TFS (Source control, change tracking, and automated builds), deploy (deployments, regression tests, environment configurations, manage VM images, reports and graphs.
* Plan and design uDeploy workflows for each product development team (16 teams)
* Create components, applications, resources, server configurations, security, user access, and notification schemes for each product group
* Automated various post-deployment tasks such as, running QTP and QC scripts, updating TFS Build
* Quality with the deployment status, fail TFS build status when the deployment of the build fails
* Document changes to processes and tools on the CM SharePoint site
* Educate users on utilizing uDeploy and how sources incorporate into the organization.

***Senior Build Engineer November 2011- May 2012***

***Trimble Navigation***

* Manage the entire build environment with over 50 automated builds
* Manage all aspects of the Team Foundation Server (TFS)
* Automate builds and deployment related tasks using Nant, Perl, Batch, and VB
* Documented CM and build processes, create user documentation, and provide user training for Perforce

***Senior Configuration Coordinator May 2011 – November 2011***

***Hewlett Packard (REFORM project, Maryland State Retirement Agency)***

* Be the SME for all matters relating to configuration management, source control, build and release management
* Manage all aspects of Perforce administration and support
* Manage the entire product release process
* Carry out weekly merges for various code streams
* Automate Perforce tasks related to releases
* Documented CM and build processes, create user documentation, and provide user training for Perforce

***Senior Configuration Manager April 2008- April 2010***

***3M HIS***

* Automate and maintain over 50 product builds using NAnt, Perl, Batch scripts and Cruise Control
* Manage all aspects of Perforce administration including but not limited to; creating branches, client specs, user accounts, setting up permissions, and merging baselines
* Create, modify, and troubleshoot product installers (Basic MSI and Install Script MSI) using InstallShield
* Automate the building of installers as part of the build process using NAnt and VB
* Document the CM processes, and create user documentation for Perforce and CruiseControl

***Senior Configuration Manager February 2007- December 2007***

**NASD/NYSE**

* Manage all CM needs (as listed below) for seven projects including two of the largest in the organization; Member Interface (customer portal for all NASD applications), and Enterprise Web Security (security and accounts management for all NASD clients)
* Administer all aspects of the CM tools (StarTeam, ClearCase, Tracker, Service Center, CruiseControl); create projects, recommend and implement branching and merging strategies, customize ClearCase and Star Team change tracking tools, and improve overall CM process
* Manage and carry out all Build and Deployment activities for all seven projects (J2EE and Web-Logic based web applications)
* Automate builds and deployments for every project using Ant, Unix shell, and CruiseControl (where all builds were scheduled to run daily, and automatically deployed to requested environments for unit testing and for keeping Dev team in sync)
* Create CM plans and another CM documentation.
* Train users on CM tools and processes
* Improve CM process at all levels from requirements to deployments
* Troubleshoot all CM related tools and provide user support for all CM related issues

***Software Configuration Manager August 2006- Dec. 2006***

***Fannie Mae***

* Carried all builds/deployments related to 20+ Restatement projects (J2EE)
* Administer ClearQuest related to all Restatement projects
* Resolve all issues and troubleshoot ClearCase and ClearQuest for a user group of over hundred fifty
* Work with the greater CM teams to improve the current processes/policies that effect both restatement and non-restatement projects
* Help convert legacy projects to ClearCase

***Rational Tool Administrator October 2005- August 2006***

***Marriott International***

* Administer all aspects of the ClearCase and ClearQuest environments for multiple projects (100+ users)
* Plan, coordinate, and create VOBs (UCM and Base), UCM projects, streams, and branches
* Advice, design, and implement branching and merging strategies
* Create and modify ClearCase triggers
* Modify ClearQuest schemas: write various hooks using VB, create and modify fields in user forms, create and modify email rules, create and modify user groups and permission
* Administer day-to-day operations of Rational Rose and Test Manager
* Create and modify user accounts in Test Manager
* Plan, test, and upgrade the Rational Suite from 2003.06.00 to 2003.06.15
* Advice and recommend CM strategies and best practices for the ClearCase and ClearQuest environment
* Provide daily user support and troubleshoot all aspects of ClearCase and ClearQuest
* Create training material and provide one-on-one/group training for ClearCase and ClearQuest
* Create the project Plan for the migration of an entire rational suite from one server to another

***Rational Tool Expert April 2005 – October 2005***

***Deloitte & Touche (Tax Technologies)***

* Manage all build/release activities for the main product of Deloitte & Touche Tax Technologies **CorpTax ETS** (.NET and J2EE applications)
* Coordinate build schedules, merge all activities, resolve merge issues, and build all components of the product
* Resolve build issues by interacting with the development team
* Administer the ClearCase & ClearQuest environments, troubleshoot issues, make improvements to the existing environment, and provide daily user support with the tools
* Automate the overall build process using FinalBuilder
* Manage daily/nightly builds, baseline promotions, and internal/external releases for SIT, QA, and Production environments

***Configuration Manager March 2004 – March 2005***

***Freddie Mac***

* Introduce a new CM plan and a fully integrated ClearCase and ClearQusest environment (UCM) to Freddie Mac Corporate Data Warehouse (CDW)
* Conduct feasibility studies and requirements gathering on various groups (Technical, Business, and Data analysts, Project Managers, Change Control Board members, customers), and propose a CM plan that converts the current CM environment to a ClearCase and ClearQuest driven CM environment
* Define and introduce CM strategies and policies using various CQ record types to track all changes to development, testing, and production environments
* Plan, design, and introduce a Change Control Board, it’s policies, process steps, roles and responsibilities, and fully incorporate it with various ClearQuest record types used to track all changes to production environment (new functionality, defects, data quality issues, hotline fixes etc.)
* Plan, design, and implement a new Object Migration Process (methods by which configuration items are deployed to various environments like UAT and PROD) that uses ClearCase as the source for all deployments to UAT and production
* Develop a UNIX shell program that interacts with CC and CQ, and delivers CC utility activities (activities automatically generated by CC when delivering activities to integration stream) from CC Integration stream to the desired environment (the program extracts the change-set from a user defined CC utility activity, replicate each change in the appropriate place in production environment (update, add, remove files/directories), backup any removed items, and generate history logs)
* Develop utility scripts to track changes to the production environment made outside of CC source control, generate reports of such changes, and notify the proper parties for resolution of those changes
* Create customized training manuals, presentation material, user guides, quick references, and FAQs for various groups, and host multiple training sessions to help each group understand their CM tasks and carry them out in the most effective way
* Carry out all daily deliveries, deployments, compilations, baselines, and support a group of over 100 users on ClearCase/ClearQuest and CM process steps and policies for the entire Corporate Data Warehouse

***Configuration Manager November 2003- March 2004***

***4GL School Solutions***

Configuration Management:

* Create, implement, and document the current CM plan of the company
* Plan, propose and carry out improvements to the CM process
* Led the CM team in automating the Build and Release process of the company (.NET applications)
* Design a Windows GUI to automate the extraction of source code from clearcase based on a user defined baseline, build various components of the product, and create the installation package, cutting the time by two hours per build
* Design and develop Installshield packages for various clients, and in-house installs and upgrades
* Manage daily builds and internal/external releases
* Managed the ClearCase environment the whole company, including two multi-site locations
* Performed daily multi-site synchronizations, code deliveries, baseline creations, user training, documentation, and troubleshooting of ClearCase
* Held training sessions for developers on tool use and the relation of the CM process

***Configuration Engineer July 2002- February 2003***

***FEI Company***

* Plan, implement, and manage the ClearCase Network, multiple VOBs (incl. multi-site vobs), and manage all aspects of a Base ClearCase environment
* Manage ClearCase Licenses, the Registry, Scheduled Jobs, and Access Control Permissions
* Improve the performance in VOB and client hosts
* Troubleshoot ClearCase environment and provide user support
* Plan, implement, and manage three multi-site locations
* Create, synchronize, and manage VOB replicas and mastership
* Troubleshoot CC Multi-site environment and provide user support
* Implement and manage Multi-Site security and ACL permissions
* Plan, implement, configure and customize ClearQuest schema and ClearQuest databases
* Create and manage the State Transition Matrix, Access Control Permissions, and CQ Forms
* Administer user and group accounts
* Administer CQ databases (Oracle, SQL Anywhere and SQL Server 2000)
* Create, modify, and manage CQ forms
* Administer CQ web
* Administer CQ emails (email rules and automated emails using hooks)
* Use ClearQuest tools to effectively (import and export tools, license key admin, update schema wizard)
* Write, edit, and manage build scripts using Visual Build, Perl and VB
* Run and troubleshoot the Nightly build
* Refine the build scripts for build accuracy and performance
* Recommend, plan, and implement improvements to the SCM process
* Created the CM plan for a new client site
* Held meetings with management to discuss, propose and negotiate the CM plan
* Held presentations and training sessions to introduce the CM process and CM tools
* Implemented CM tools and managed the Cm environment and provided user support

***Configuration Manager/ClearCase Administrator Jan. 2001 – Jan. 2002***

***Davox Corporation***

* Manage daily/weekly builds
* Analyze and resolve build issues
* Modify Build Scripts
* Create, recommend, and promote baselines
* Administer ClearCase and ClearCase Multi-Site environments in an inter-op (Windows/Unix) environment
* Install and configure ClearCase and ClearCase Multi-Site on multiple servers
* Create and manage VOBs, views, streams, and metadata in a Multi-Site environment
* Create and manage UCM projects
* Provide user support and training for a group of 60 developers
* Plan and propose improvements to the CM process
* Participate and contribute to the CCB
* Document all aspects of the CM process

***Configuration Manager November 1999- Jan. 2001***

***First American Credit Corporation***

* Conduct feasibility studies to determine hardware requirements for ClearCase installation
* Make recommendations to upper-level management on improvements necessary for CM environment
* Lead the CM team in the installation of various CM tools and improvement of the SCM process
* Lead technical implementation and configuration of ClearCase
* Design and implement strategic labeling, branching and merging schemes in Base ClearCase and in UCM
* Train developers on ClearCase and ClearQuest
* Design and develop Triggers and Shell scripts as part of ClearCase Customization
* Manage import/export of code into ClearCase
* Administer VOBs and Views and managed access control
* Install, configure, and manage ClearQuest schema and user databases in a Windows environment
* Create the State Transition Matrix and implement permissions for groups and users
* Design and implement hooks in ClearQuest customization
* Design ClearQuest forms
* Integrate ClearCase with ClearQuest in a UCM setting
* Provide daily technical support for 20 developers
* Write and managed Build Scripts
* Perform various UNIX and Windows NT administration tasks

# Education

* Completed a five-month training program on Software Configuration Management, ClearCase and ClearQuest Administration, and Build/Release Management in a classroom setting, taught by a group of Rational certified trainers, with weekly exams, where a score of 70% or above was required to stay in the program.
* Bachelor's Degree candidate in Anthropology from the University of Maryland at College Park