Sr. ClearCase Architect

Objective: Provide assistance with implementation of configuration management, process creation, and process creation and control through the use of ClearCase and 16+ years of Development and CM experience and 22+ years of professional experience. Seek position to enhance the overall quality of software configuration and release control at the project, department or enterprise level. Provide implementation so departments could evolve to higher compliance states in order to develop their code more quickly and with less cost.

Education: **Clarkson University** Bachelor of Science Electrical and Computer Engineering - 1990

Rational University – ClearCase Classes
Fundamentals – Meta-Data – ClearCase Administration – Multisite Administration

Software Engineering Institute
Introduction to the Capability Maturity Model

Tasktop
Tasktop Certified Deployment Specialist

Xerox Corporation
Practical Implementation of Software Configuration Management
Introduction to Hyper-Text Markup Language

ClearCase Experience: **A Better Solution, Inc.** - Atlanta, GA   2000 - Present
ClearCase Consultant

Consulting concentrating on CM practices and implementation using ClearCase, ClearCase with UCM and ClearCase Multisite. Design and implement process automation and simplification using shell scripts, Perl scripts, batch and Java Script. Installation and migration of code bases to ClearCase from various other CM tools. Responsibilities also include overseeing workstation/server configuration, COTS tools install/config, and writing utilities to extend the capabilities of COTS tools. Creation of Makefile sub-systems to automate builds.

Some of the satisfied clients helped while at ABS include:

BP (British Petroleum)	Rational Software	United Health Group
Xtera	CitiGroup	InterWave
Union Switch & Signal	Baxter Corporation	Chicago Board of Trade
U.S. Treasury	IBM	JPM

Xerox Corporation   1990 –1999

Software Configuration Management   1997 –1999

Converted user and administrative scripts and triggers from ksh to PERL for cross-platform compliance and performance reasons. Expanded capabilities of current scripts and designed and implemented new scripts to automate and enforce software

development and configuration management processes. Automated the build process and implemented ClearMake. Implemented Windows NT solution for Unix / NT inter-operability in a Unix-only VOB environment. Administered East Coat / West Coast ClearCase MultiSite functions. Updated, enhanced and maintained SCM web page. Participated in plans, evaluations and estimates related to SCM Plans for several customers. General CM tools maintenance and support.

On the UNIX platform, four scripts were written in PERL to facilitate the merge, build and release of the SCM toolset automatically:

- The main script, executed by cron, checks for an event (the creation of a view with a build config spec and tag) which signals that the release has been validated. This script also checks for the presence of labels, indicating that the release has already been completed or that patches for this release are available for integration.

- The second script merges all changes for the given release from all development branches based on the presence of an attribute. A mailnote is generated and sent to SCM admins if any WARNING conditions are encountered (a predefined set of criteria which SCM should be aware of) during the merge.

- The third script (used for initial releases and patches) performs a validation test for all modules to be released, ensuring that they compile using the site-specific PERL distribution and libraries, copies the files to the site-specific release area, labels them and checks them into the SCM build branch. A mailnote is generated and sent to interested parties at all three site regarding content of the release, a change tracking reference, and any errors that occurred during processing.

- The fourth script allows user's at any site to update a release with a patch, labeling it with a specific label to be picked up in other sites and releasing it locally to the release area.

Software Engineer   1990 –1997

Initially an entry level software engineer, later a team lead, experienced all phases of the software development lifecycle. Developed communications code modules, written in "C". Enabled several key product client features, including event notification, device status, and faster image transfer as well as improving product reliability. Enabled product to pass reliability launch criteria (C5F / Concorde I). Implemented expanded event notification for print, FAX, copy and scan, auto-tray selection, and expanded feature set in supplemental release (C5G and Concorde II), while continuously improving reliability. Designed and implemented Scan-to-File protocol / process for bi-directional IOT / SESS communications. Software team leader for Access Restriction and Accounting feature sets (Xerox and third party solutions).

- Designed, implemented and maintained manufacturing test equipment and test procedures

- Implemented SCSI disk duplication process utilizing SPARC-based motherboard and LynxOS for early manufacture and "Golden Disk" production.

- Debugged DMA printer interface board, adapting rudimentary SunOS driver

written in "C" to do so. Learned basic FORTH.

- Implemented, upgraded and maintained UI software ("C") for Memory Card application.
  Participated in analysis, proposal and "level of effort" estimates for potential extension features.

Related Skills: **Experienced in:** C++, C, HTML, UNIX shell languages, Perl, AWK and most UNIX utilities.
Experienced with: ClearCase, ClearCase Multisite, CCRC, ClearQuest, ClearDDTS, ReqPro, ClearTrigger, ClearReplica, Various flavors of UNIX and Windows NT, and others.

Extras: Maintain a close working relationship with Rational personnel on the technical support teams, design teams and sales & marketing sides.

Member of CCIUG (ClearCase International Users Group)