

# Sr. CM Architect/Consultant

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

**Education:** **Florida Tech**  
Masters of Science – Engineering Management 1994

**Florida Institute of Technology**  
Bachelor of Science – Computer Engineering 1991

**ClearCase Classes**  
Fundamentals - Policy & Procedures – Administration 1996

**ClearCase Experience:** **A Better Solution, Inc.** - Atlanta, Ga. 1998 - Present  
Sr. CM Architect/ClearCase Consultant

Consulting concentrating on CM practices and implementation using ClearCase. Design and implement process automation and simplification. Installation and migration of code bases to ClearCase from various other CM tools. Performance of ClearCase training for ABS clients. 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:

Southern Company	Harris Corp.	Delta Airlines	US West
WebTone Technologies	John Hancock	Adept Technologies	Coleman Research
Capital One	Tantivity	E-Security	US Treasury

**CopperKey** - Melbourne, Fla. 1997 -1998  
Configuration Manager

Overseeing the configuration of Rational's ClearCase CM environment and subsequent migration from Sun's Workshop toolsuite to ClearCase. Developing and implementing a CM architecture and process to support C++ development on PC & UNIX clients. Configuring defect tracking system and WAN configuration to support distributed development. Responsibilities also include overseeing workstation/server configuration, installation and maintenance of ClearCase Multisite for Lab environment, COTS tools install/config, and writing utilities to extend the capabilities of COTS tools or ease the developers efforts. Participated in QA testing and ATP's and documenting installation procedures and configuration of developed software

**Harris Corporation** - Melbourne, Fla. 1990 -1997  
@hire - Programmers Aide @resignation - Information Systems UNIX Group Leader

In excess of development and system administration duties, converted existing projects to ClearCase from other CM tools and lead several division objectives to roll out ClearCase. Installed and configured dedicated ClearCase registry and license server for use by various projects which in turn have dedicated VOB/View servers. Installed and configured DDTS and Web tracker for ClearCase as well. Installed and maintained Multisited VOB for cross-campus development. Provides consulting services to proposals and new program starts when architecting development environments. Served as ClearCase administrator supporting four different HW platforms (SUN, SGI, DEC, HP).

## Related

**Skills:** **Experienced in/with:** ClearCase, ClearCase Multisite, C++, C, X/Motif, HTML, UNIX shell languages, Perl, AWK and most UNIX utilities Rational OOA/OOD, Rose, Apex, Testmate, Oracle DBA, Harris SEPG SDLC/SPMC, PCMS, SUN System Administration, HPUX, Software Through Pictures, RTM ADA Design Coding

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

## **Software Development & System Administration**

**Experience:** Harris Corporation - Melbourne, Fla.

1990 –1997

### **UNIX GROUP LEADER (1995 – 1997)**

Returned to Harris ISD base division to take technical the lead role overseeing the re-organization/integration of all UNIX systems in the division. Previously systems administration and asset tracking was ad-hoc and inefficient. Defined standards and procedures for configuring and administering UNIX systems and associated COTS SW packages. Realized better economies of scale by consolidating numerous disjoint domains and identifying common services which should be centralized in the Information Services department. Grew group from two servers and administrators to over 20 servers, 300+ clients, and 14 administrators. This group supports all UNIX SW development projects in the division in secure and non-secure environments. This group supports four different HW platforms (SUN, SGI, DEC, HP) and 40+ COTS packages. I lead several division objectives to roll out stand tools such as DOORS, Rose, and ClearCase. Underwent extensive training on installation, configuration, and administration of these tools so that a server architecture could be constructed to support division wide usage of these tools. Installed and configured dedicated ClearCase registry and license server for use by various projects which in turn have dedicated VOB/View servers. Installed and configured DDTs and Web tracker for ClearCase as well. Provides consulting services to proposals and new program starts when architecting development environments.

### **TECHNICAL LEADER FOR CASE ENVIRONMENT (1993 – 1995)**

Upon joining RSA had the responsibility of building and managing the CASE environment for this large ADA SW project. Was a member of the chief software engineers staff and acted as technical liaison between software engineers, management, and tool vendors. Received tool smith training on all CASE tools used on the project; RTM, PCMS, Oracle DBA, Rational's suite of tools, OO training, SW Process training. Managed consultants time for tool training, integration, and customization projects in support of RSA's SW process. Oversaw three engineers for day to day systems maintenance of eight servers/100+ workstations and tool integration projects. Assisted CM organization in developing PCMS control plan and associated lifecycles. Assisted each SW IPT in the use of each CASE tool by providing training and consulting. Tried to be proactive in preparing the tools and servers to meet the needs of the SW engineers development requirements.

### **AS GUI SOFTWARE ENGINEER (1992 – 1993)**

For two years developed C and ADA based Motif GUI's for satellite command and telemetry projects. First project was to develop a scheduling tool to manage the upload/download of data to passing satellites. Second project involved using advanced graphic modeling tool (SL-GMS) to develop a pictorial display of the health and status of a satellite subsystem. Supported several proposals by architecting HW/SW CASE Environments at a time when several gov't agencies were mandating the use of ADA. Investigated ADA/Motif bindings and worked the HERITAGE program to design/develop 10K SLOC ADA/Motif GUI which controlled a VME based satellite deconvolution unit. Used RTM for requirement capture and Software Through Pictures for analysis, design, and generation of ADA packages. Participated in TQM team to define SEI Level 3 process's for Harris ISD, this effort was in conjunction with the RSA effort which culminated in the RSA win.

### **AS SOFTWARE ENGINEER (1991 – 1992)**

Participated in all phases of SDLC developing FORTRAN and Pascal systems. On the NADIN (FAA) program was responsible for the design of code to control an X.25 PAD (Package Assembler/Disassembler). Knowledge of queuing algorithms, buffering, and packet assembly was developed to ensure smooth flow of traffic data between a X.25 Packet Switched Network and serial interfaces. On the ROCC program (CCAFS) was responsible for development of code to collect health and status messages from down range tracking station equipment. Collection of data was logged in an Oracle database for other system processes to retrieve. Became CSCI test and integration lead due to knowledge of CM tools, was responsible for baselining and building 50K SLOC.

### **AS PROGRAMERS AIDE (1990 – 1991)**

Developed and maintain a CM tool set on a DEC Microvax. Wrote VAX DCL scripts to ease tedious tasks for Software Engineers. Wrote tools to format PDL and code, count SLOC, parse documents to strip out "shalls", etc. Worked full time while completing BS CP degree.