

James F. Jones

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ABOUT ME	I love to create! It is the best feeling when I am able to provide tools and insight that helps others reach their objectives faster and with better quality. I am patient and understand how to balance short term needs while working towards long term goals.	
EXPERIENCE	<i>Staff Engineer</i> Arris Incorporated, Lisle, IL and Suwanee, GA C4/E6000 CMTS CLI Team	since 2003
	<ul style="list-style-type: none">• Design and implementation of Cisco compatible command line interface in C++ on VxWorks and OSE.• Implementation of DOCSIS Device Classes feature.• Introduced TDD and automated developer test rig using Perl and Ruby.• Replaced inefficient and aging costly tool-set using Java and Netbeans.• Worked on fault tolerant and system redundancy using IBM's Rhapsody UML tool.• Introduced MediaWiki system which is now widely deployed throughout the company.	
	<i>Senior Engineer/Team Lead</i> Nortel, RTP, NC Signaling Service Group SS7	1997 - 2002
	<ul style="list-style-type: none">• Assisted in design and implementation of fault handling and system fail-over for Nortel's Signaling System 7 product line.• Awarded a "Star Award" for the "Most software hooks ever seen east of the Mississippi". (The humorous award is tied to a "refactoring nightmare for the good of the product" story.)• Introduced "Double Choco Latte" for bug tracking. This required forking the product and learning enough PHP to customize the tool for our issue tracking process.• ISO 9001 training and documentation team member.	
	<i>Member of Scientific Staff</i> BNR - Nortel, RTP, NC DMS-10	1997 - 2002
	<ul style="list-style-type: none">• Designed and implemented ISDN display protocol using SL-1.• Y2K bug fixes.	
COMPUTER SKILLS	<i>Languages & Software:</i> C/C++, Perl, Java, Ruby, Clearcase, Git, GNU, Netbeans, PHP, Vim <i>Operating Systems:</i> Windows, Mac OS X, Unix, VxWorks <i>Protocols:</i> DHCP, DOCSIS 2.0, DOCSIS 3.0, FTP, HTTP, SNMP, SSH, TCP/UDP, Telnet, TFTP	
EDUCATION	<i>Bachelor of Science</i> , Computer Engineering <i>Bachelor of Science</i> , Electrical Engineering North Carolina State University, 1996 Vice-President, Eta Kappa Nu, 1995 President, Eta Kappa Nu, 1996	