

RAJASHREE CUROTIN

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SOFTWARE ENGINEERING ~ SYSTEM ENGINEERING MANAGEMENT ~ QUALITY MANAGEMENT

SUMMARY

Accomplished IT professional with extensive system engineering management, software engineering and project administration experience looking to obtain a rewarding career opportunity with a progressive and dynamic organization. Highly organized engineering leader with strong system management and experience utilizing engineering philosophies in both industrial and commercial environments. Ability to identify needs, make technical recommendations and implement highly effective systems solutions. A top rated, proven performer who easily moves from vision and strategy to implementation. Strengths include:

- **Systems Engineering Management**
- **Project Management**
- **Database Administration**
- **Staff Management & Administration**
- **Process Development**
- **Quality Management**

Recent Accomplishments

- Led engineers in the development of a complex, high quality satellite systems software application as part of a large-scale \$400 million satellite communications project.
- Defined entire system architecture for web/PDA enabled network analysis and testing systems following J2EE like architecture on J2ME platform.
- Defined Software and Security Architecture of critical wireless personal commerce portals (mCommerce) and sports portals.
- Managed software releases with enhancements under highly ambitious schedules; implemented software debugging and enhancements for six parallel test beds using different versions of the software.
- Developed, monitored and improved engineering processes resulting in CMMI Level 3 certification for the company specializing in radio communication systems.

QUALIFICATION HIGHLIGHTS

Technical & Systems Management

- Manage and direct the daily operations and activities of direct reports regarding systems engineering projects from initiation through completion.
- Create and oversee project plans, recommendations and findings for a variety of activities, including the assessment of proposed plans, projects and equipment.
- Develop and monitor engineering quality standards as well as set up operating procedures and the development workforce ensuring company rules and procedures are in place and implemented for on-time product delivery.
- Oversee assigned work products and supervise subordinate engineers to include hiring, determining daily workload, delegating assignments, training, monitoring and evaluating performance, and initiating corrective actions.
- Develop and maintain goal driven system engineering measurement metrics while making adjustments and improving on quality through the management of process action teams.

Quality Management & Process Improvement

- Establish Product Validation Management strategies and tools for test planning, execution and reporting.
- Create, review and oversee project management, systems and software/hardware engineering deliverables.
- Review and initiate corrections to plans, requirement specifications and design documents for multiple projects.
- Monitor, track and resolve change management, stakeholder involvement, risk management and requirement traceability issues.
- Lead teams in the planning and execution of product component verifications and component level defect tracking
- Facilitate project status meetings as well as monitor and resolve any peer review issues within projects.
- Ensure process conformance by facilitating audits for multiple projects and communicating status to management.
- Act as integral part of process action teams utilizing extensive experience in systems development, change and release management, requirements management, system integration, training, and rational tools suite.
- Identify and resolve unauthorized freeware/shareware usage in the product code base averting potential legal risks.
- Champion Process asset library (PAL) usage and acted as the main liaison between various projects and PAL.

Systems & Software Engineering/Mentoring

- Develop requirements and use cases for satellite and wireless communication, communication test and software defined radio systems.
- Work as Subject Matter Expert for systems and software engineering.
- Define security infrastructure using JAAS, Java Security and PKI.
- Analyze, design, develop and test multi-threaded mobile satellite communication using OO methodology.

- Evaluate and support software development, requirements, defects and test management tools.
- Introduce templates and examples for release plans, release notes, test plans and test reports.
- Instrumental in ISO project's functional specification, program specification and coding standards.
- Coordinate and manage module and subsystems integration.
- Review and provide feedback for the pre-release "Effective C++ book on CD" by noted C++ Guru Scott Meyers.
- Introduce RUP framework for Rational Rose modeling template for Software Engineering departments.
- Design SoDA templates to extract deliverables from integrated rational tools.
- Design and facilitate training sessions and seminars for engineers.
- Coach engineers in technology, standards, tools, workflows and processes.

TECHNICAL & APPLICATIONS KNOWLEDGE

Process Management

Six Sigma Product Lifecycle Management CMMI, SCAMPI Business Process Engineering

Project Management

Project Planning, Risk Management Earned Value Management System Supplier/Vendor Management
 Stakeholder Management Project Requirements Management Project Monitoring & Control
 Schedule Management Project Estimation & Bids Measurements & Metrics

Development, Quality Assurance & Testing tools

BEA Weblogic, Apache RougeWave, StarTeam Insure++, Code Wizard, Purify
 Xalan/Xerces, Velocity Rational ClearCase/ClearQuest Interleaf, Rational SoDA
 Visual Café, Forte, NetBeans Rational ReqPro/TestManager PeopleSoft, SharePoint, WindChill
 Rational Rose, Select Enterprise SPARK Works, GNU-gdb, dbx

Hardware and Operating Systems

Sun 3500, 450, Ultra 2 UNIX System V, BSD 4.3 Windows 98, Windows 2000
 Solaris 2.6, SunOS HP9000, HP-UX, Windows NT 4.0 Windows XP, VM Ware

Languages and Databases

Java, Java Servlet Programming XSL, C++, C SED, Shell Scripts
 JSP, EJB, WML, XML JavaScript, Perl, AWK Oracle, Informix

Special Skills

J2EE Architecture, PKI WAP, WTLS, UNIX Multi-threading Ethernet, TCP/IP, GSM Protocols
 Java Security, JAAS, SSL Synchronization, SONET STL, CORBA

PROFESSIONAL EXPERIENCE

SYSTEMS QUALITY ENGINEER/PROCESS LEAD	Thales Communication Inc.	2005 - Current
PRINCIPAL ENGINEER/TECHNICAL LEAD	Acterna	2001 - 2002
SYSTEMS ARCHITECT/TECHNICAL LEAD	Aether Systems	2000 - 2001
TECHNICAL TEAM LEAD	Hughes Network Systems	1999 - 2000
SENIOR SOFTWARE ENGINEER	Hughes Network Systems	1996 - 1999
TECHNICAL EDUCATOR/MENTOR	Pennsylvania State University	1994 - 1996
SOFTWARE ENGINEER	Indira Gandhi Institute of Development Research	1990 - 1991

EDUCATION

MASTER OF SCIENCE CERTIFICATION ~ TECHNICAL PROJECT MANAGEMENT

CIO Institute, Carnegie Mellon University

MASTER OF SCIENCE ~ COMPUTER SCIENCE & ENGINEERING

Pennsylvania State University

BACHELOR OF SCIENCE ~ ELECTRICAL ENGINEERING

University College of Engineering, India