Madhu Kopparapu

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SUMMARY

Sixteen years of progressive experience in the Information Technology industry highlighted by a demonstrated track record in software product delivery. Advanced experience in implementing software methodologies and processes for iterative and rapid systems development. Builds strong teams, implements organizational and process improvements that ensure the on-budget and on-time delivery of application software with a philosophy of working to exceed customer expectations. Proficient in all aspects of information technology, including functional and technical architecture, software development, systems integration, operations, and project management. **Have developed a professional reputation as the "go-to" person when management needs to make sure that high profile application projects gets completed successfully.**

- 10 years of experience as a Senior Technical Manager and Lead Architect for commercial software products. Experience in managing and leading large teams.
- 16 years of experience in architecting, designing, and developing software applications.
- Specialized in Electronic Commerce domain, Internet based applications, Business-to-Business and Integration technologies, and distributed applications.
- Experienced technical leader with excellent oral and written communication skills, and technical and personnel problem-solving capabilities. Particular strengths include mentoring and motivating staff members, recruitment, and team building.
- Proven success at adapting and performing in intense and demanding environments.

EDUCATION AND CERTIFICATIONS

- MS in Computer Science, Louisiana State University, Baton Rouge, LA – December, 1993
- BS in Mechanical Engineering, Regional Engineering College, Warangal, India – June, 1991
- Certified Scrum Master (CSM) – March, 2008
- PMI Certified Project Management Professional (PMP) – June, 2006
- SUN Certified Enterprise Architect (SCEA) – February, 2009
- Certified Microsoft .NET Developer – August, 2005
- SUN Certified Web Component Developer (SCWCD) – June, 2002
- SUN Certified Java Developer (SCJD) – June, 1998
- SUN Certified Java Programmer (SCJP) – January, 1998

TECHNICAL SKILLS

- Languages: Java/J2EE, PHP5, C#, C/C++, Perl, SQL, shell scripts
- Methodologies: Agile SCRUM, JUnit Test-Driven Development, Waterfall/Spiral SDLC
- Java Technologies: Core Java Libraries, J2SE (RMI, JDBC, Collections), J2EE (JSP, Servlets, EJB, JMS, JNDI, JavaMail), Java Web Services (JAXP, JAXB, XML, XSLT, SOAP), PKI, JSSE, Java Cryptography, Struts MVC, JSF, Spring, Hibernate, AJAX, JUnit, Ant.
- Microsoft .NET: C#/C++, ASP.NET, ADO.NET, VB.NET, Visual Studio.NET, Web Services
- Application Servers: BEA WebLogic, IBM WebSphere, iPlanet, Orbix, OrbixWeb
- Tools/Technologies: RAD7/WSAD5, Eclipse, Microsoft Visual Studio .NET, LAMP/WAMP, TogetherJ, Rational Rose, Erwin, SQL Navigator, CVS, PVCS.
- Operating Systems: Sun Solaris, HP-UX, Red Hat Linux, SunOS, Windows NT/2000/XP
- Hardware: Sun Servers, Sun Workstations, HP, PC and compatibles, DEC, Macintosh

PROFESSIONAL EXPERIENCE

Technical SME/ Architect, Sprint Nextel, Reston, VA *July 09 – Present*

Technical SME and Architect for the Sprint.com 2.0 initiatives. Sprint Nextel is in the process of streamlining all the applications on Sprint.com, including ecommerce store, care/manage, support and community applications, using ATG Commerce Suite.

As a SME, my responsibilities include:
- Participate in requirements validation, architecture reviews and validation, design reviews, test plan and test case walkthroughs with the development and testing team liaisons.
- Identify the gaps in business and systems requirements in integrating/customizing ATG Commerce Suite in comparison with the legacy Sprint.com applications.
- Transition the Catalog and Content support teams from the legacy platform to the ATG Catalog platform.

Sr. Technical Manager/Architect, RJM Technologies, Inc., Fairfax, VA   *Oct. 08 – July 09*

Managed the full Software Development Life Cycle (SDLC) including requirements, architecture, design and development of Apojigo.com, a consumer portal Web site for creating and presenting professional Profiles and Portfolios.
- Launched the 1.0 version of the product with features including Profile Registration, Login Authentication, Profile Tabs, advanced editing, "Send Profile", and "Invite for Review" features.
- Currently working on the 2.0 version of the product with features including "Invite a Friend", "Profile Views" and "Search Jobs" capabilities.
- The Apojigo.com application is developed on Linux and Windows servers using PHP 5.2.5, MySQL 5.0.51 and Apache 2.2.8 and other Web technologies including AJAX, JavaScript, YUI (Yahoo User Interface) library.

Sr. Technical Manager/ Architect, Sprint Nextel, Reston, VA   *Dec. 02 – Oct. 08*

Senior Technical Manager and Architect for the eCommerce Online Store and Aisle Setup Tool (AST) applications. The Online Store, a web based application, enables customers to purchase Sprint Nextel's Products and Services over the internet. AST, also a web based application, provides the functionality for creating customized eCommerce stores with special products, promotions and pricing for Sprint Nextel's corporate and government customers.

Involved in the full Systems Development Life Cycle (SDLC) including requirements gathering, architectural and design development and reviews, code and unit test case walkthroughs, packaging and defect analysis, implementation and post-production support using Agile Scrum and Waterfall SDLC methodologies.
- Lead the business and systems requirements analysis to integrate AST with legacy applications to provide online shopping capability with pre-negotiated discounts for existing Corporate and Government customers.
- Lead the development teams of Online Store and AST applications through several major enhancements, including: Integrated Online Store, enabling Online Phone Upgrades; Browse and Shop redesign; Checkout Process redesign; and Ariba cXML Punchout capability.
- Lead the business and systems requirements analysis and development effort for building the Integrated Online Web Store release. This release primarily integrated the legacy Nextel and legacy Sprint Online Web Stores into one unified web store application and billing platform.
- Lead the development effort to add Ariba cXML Punchout capability to the Online Store application. This will facilitate the customers' using the Ariba Buyer application to create, edit and transfer shopping carts between the Online Store and the Ariba Buyer application via the Ariba Supplier Network and to process the approved orders.
- Lead the development effort to migrate the Online Store and AST applications from iPlanet Application Server to IBM WebSphere 5.0 Application Server.
- Online Store and AST applications are developed on WebSphere 6.0 Application Server using various Java/J2EE and Web technologies including Struts 1.1, Spring MVC, JSPs, Servlets, AJAX, Hibernate, EJBs, JDBC, JNDI, and Java Web Services with Oracle 9i as the backend

database server. These applications utilize various GOF and J2EE Design Patterns such as Front Controller, Business Delegate, Session Façade, DAO, Service Locator, Factory Method, Singleton, Composite, Decorator etc.

Technical Manager/Lead Architect, Gazelles, Inc., Ashburn, VA   *July 02 – Dec. 02*

Technical Manager and Lead Architect for FlashReport, a web based dashboard application which provides management with an enterprise-wide protocol to establish, align, communicate and monitor Priorities and key performance Metrics. Participated in requirements gathering and led the system architecture, design, implementation and post-production support.

- Developed a Web Services tier for all FlashReport back office services to facilitate the communication with non-web based front end applications.
- Developed a prototype for the desktop alternative to interact with the FlashReport back office services to create, manage and monitor Priorities and Metrics. The FlashReport Desktop is built using Microsoft .NET technologies including C#, VB.NET, ADO.NET, Web Services and Visual Studio.NET.
- FlashReport is developed on WebLogic 5.1 Application Server using various Java/J2EE and Web technologies including Struts 1.1 Framework, JSPs, Servlets, EJBs, JDBC, JNDI, XML, and Java Web Services with Oracle 9i as the backend server.

Director of Product Development, NIC Commerce, Reston, VA   *Jan. 99 – July 02*

Director of Development and Lead architect for an Internet based end-to-end e-procurement solution for federal, state and local governments. The system contains full-featured procurement modules including Requisitions, Bid Solicitations, Reverse Auctions, Market Basket, User Administration, Invoicing, Order Processing, Work Flow, back-end accounting system integration, and Catalogs.

The system has an n-tiered architecture built on the J2EE platform with JSP, Servlets, and Form Objects at the presentation layer, Enterprise Java Beans and Data Access Objects hosted on a cluster of WebLogic Application Servers at the middle tier, and Oracle 8i at the database tier. TogetherJ is used as a design tool and ERWin is used for data modeling. Various GOF and J2EE Design Patterns such as Session Façade, Abstract Factory Pattern, and Business Delegate are adopted for the architectural design.

- Managed all phases of software development initiatives for the e-Procurement system. Lead teams of Java developers through the full software development cycle and deployment phase for several e-Procurement initiatives. Team size varied from 3 to 16 developers.
- Established and evolved the system and software architecture, which consists of a set of core libraries, services, and modules that are based on design patterns and other best practices. Enhanced the architecture and functionality through three major releases and five minor releases.
- Monitored and incorporated emerging new technologies to turn the product vision into innovative software and services. Incorporated new technologies to enhance and evolve the design and implementation of the product architecture.
- Analyzed the requirements of government agencies' e-procurement systems including Colorado-Utah e-Procurement Pilot Program, H-GAC (Houston-Galveston Area Council) e-Procurement System and Air Force CIT-PAD e-Procurement System to enhance the product to support their business processes. Enhanced and customized the product to satisfy emerging business requirements and successfully implemented the product in numerous market places.

Technical Team Lead, Global Component Technologies, Fairfax, VA   *Sep. 97 – Jan. 99*

Comsearch - Microwave Modular Toolkit (MMT) *(June 98 – Jan. 99)*
- Designed and developed the Data Entry module of the MMT application using Java and Java Swing. This module is responsible for collecting Link, Site and Equipment information.

- Involved in the architecture design for the MMT application. MMT is designed as a three-tier distributed application and is developed using Java RMI.
- Designed and developed the engineering module using Java, RMI and JDK 1.2. This module performs Microwave engineering calculations and encapsulates the business logic.

MCImetro - Translations Provisioning System (TPS) *(Sep. 97 – June 98)*
- Designed and developed a web based front end for Customer Trouble Logs for the TPS application using Java, Visual Cafe 2.0, IDL and OrbixWeb3.0.
- Developed proxy classes for the business objects in C++ to add additional functionality on the client side such as deleting the implementation object once used by the client.
- Designed and developed business objects for TPS in C++, IDL, Orbix2.0 and Rouge Wave.

Senior Software Engineer, IMI Systems, Vienna, VA   *Dec. 94 – Sep. 97*

Concert - Concert Packet Services *(May 97 – Sep. 97)*
- Designed and developed a reporting system for Concert Packet Services to check network dial access availability. The system is developed in C++ on the Solaris platform.
- Developed shell scripts to automate the daily data collection processes of the system.

AT&T - MIS Server Reporting System *(May 95 – May 97)*
- Designed and developed the user interface for MIS Server using C++ and Neuron Data Open Interface 2.0 on HP-UX platform.
- Designed the object models for GUI and server processes using Rational Rose.
- Designed and developed the server processes and the required operational objects using C++, DEC Message Queues 3.0 and Tuxedo System 4.2.
- Developed wrapper classes for communications between GUI front-end and backend servers to hide the implementation details of DEC Message Queues and Tuxedo System.

AT&T - Loyalty Tracking System *(Dec. 94 – May 95)*
- Designed and developed the user interface (GUI) for a Loyalty Tracking System using C, TeleUSE 3.0 and Xt/Motif 2.0 on Solaris platform.
- Designed and developed the client and server process for the Loyalty Tracking System using C and Tuxedo System 4.2.

Software Engineer, DynCorp, Alexandria, VA   *Jan. 94 – Dec. 94*

Internal Revenue Service - Resource Tracking System *(Sep. 94 – Dec. 94)*
- Developed report generation screens in Oracle 7.0/SQL*Forms 3.0 for the RTS application.
- Developed detailed customer reports and annual review reports for the RTS application in Oracle 7.0/Pro*C 1.5 on UNIX platform.

Department of Labor - Job Training Partnership Act *(Jan. 94 – Sep. 94)*
- Developed an Information Management System in Oracle 7.0/SQL*Forms 3.0 and Pro*C 1.5 on UNIX. The system is designed to collect JTPA Terminee information and generate reports.
- Designed and developed data edit checks in Oracle 7.0/Pro*C 1.5 for incoming data quality control for the JTPA application.

RESIDENCE STATUS
US Citizen