**SUMMARY**

Results driven software professional with fifteen years of experience in architecting and designing solutions for various industries, strong collaboration skills and experienced in handling scrum teams for deliverables of a product.

Over 5 years of work experience as a functional architect with in-depth knowledge in Health care domain in the field of Information Technology and customer facing experience.

* Knowledgeable in all stages of formal, logical steps taken to develop a software product using iterative and Agile Development Life Cycle.
* Experience in Health Care Industry with exposure to Electronic Medical and Health Records (EMR & EHR)/Automated Health Care Systems.
* Successfully created Use Cases, UML diagrams, Functional Requirement Specifications and User Requirement Specification documents and implemented processes, procedures, guidelines and policies for the Development and QA Teams.
* Actively involved in gap analysis and business refinement process, including checking and validation of requirements in conjunction with the stakeholders.
* Understands and articulate business requirements from user workshops and then convert requirements into technical specifications.
* Architect for various products ranging from real time, embedded to enterprise IT systems.

**Healthcare expertise**: HL7, IHE, DICOM, HIE, EMR, Population health management systems  
  
**Specialties**: Healthcare, Architecture, Design, product development, Microsoft skill set, project management, pricing, Product Configuration/Customization

**TECHNICAL SKILLS SUMMARY**

Languages: Java/J2EE, C++, VC++ , **C#**,VB.Net, C, JavaScript, VB Script, ASP, Visual Basic, Cobol

Technologies: CORBA, SQL, .Net, XML, SOA, ESB, BPEL, BPM, Web services, Java hibernate, ActiveMQ, NUnit, NUnitForms, JUnit, REST, ASP.net,WCF, WPF, XAML, XML

Web servers JBoss, Glassfish, Tomcat, Virgo ,SAP Netweaver

Methodology: OOAD, UML, Test driven code development TDD, design patterns, waterfall, agile, scrum

Databases: MS SQL server, MS Access, Oracle, Sybase, IDMS (Mainframe Hierarchical Database), MySQL

Packages: MFC, SDK, Win32 programming, TCP/UDP, COM, ActiveX Controls, ODBC programming, ATL, STL, java swing, JDBC, .Net Remoting, Visual Studio

Operating Systems: Windows, Unix, pSOS/LynxOS (embedded systems)

Tools: ERwin, PVCS version control, Clear case, Rational Rose, Team foundation server TFS, SourceSafe, DOORS, Rational XDE, Dev Studio Partner, FxCop, Enterprise Architect EA, Jude, Eclipse, Lint, Bull’s eye code coverage, Oracle SQL developer, SOAPUI, 7Edit, Altova, Rally, GIT, JIRA, Confluence, Sqldeveloper

Healthcare: HL7, IHE, DICOM, HIE, EMR, Population health management systems

**PROFESSIONAL EXPERIENCE**

**Vendavo**

**Solution Architect/ Manager** June 2012 to Present

* Expertise in translating client's business goals into solution offerings in pricing domain
* Responsible for overall solution design using Vendavo product suite (Analytics, Price manager, Deal manager)
* Lead for customization and configuration of the Vendavo product to meet the customer’s needs.
* Lead for project planning process, requirements gathering, design and implementation.
* Responsible for in-project quality checks including configuration/design, test/implementation plan, documentation review and go-live.
* Expertise in troubleshooting defects and getting them to closure through collaboration with engineering team.
* Customer relationship and customer facing skills
* Ability to drive teams with members distributed globally.
* Pioneered the effort of introducing agile/scrum for the first pilot project.

**GE Healthcare**

**Lead Engineer/Application Architect** March 2007 to May 2012

* Architected and designed n-tier service oriented architecture solutions for receiving patient information from various HL7 sources into one common repository for aiding decision support.
* Provided innovative solutions and technical expertise and guided a team of developers for developing a content driven system for customizing lab information processing from different interfaces using LOINC codes and HL7 format.
* System architect for providing detailed specifications for building various complex workflows for Patient Administration profiles.
* Subject matter expert for system integration efforts between the interoperability layer, business workflows and the data services layer of the product.
* Designed service oriented product for healthcare enterprise systems to aggregate patient data into one platform for supporting meaningful use criteria.
* Assisted management in estimation, planning, risk mitigation and scheduling for various healthcare projects.
* Overseen the entire software development lifecycle starting from requirements phase and including guiding in laying out the test strategies for the system and introduced several good processes around design reviews and code reviews.
* Led the training efforts for serviceability team for the product - Qualibria
* Led the project planning/estimates efforts for new features provided for Mayo Clinic.
* Coordinated the installation efforts of Qualibria at customer’s site for preparation of configuration and deployment.
* Lead for identifying process improvements and setting up guidelines for data gathering from customer thereby reducing the efforts required for installation and testing by Serviceability team.
* Project manager for a scrum team for a feature development for capturing real time observations for patients in critical care.
* Designed and developed front end solutions in .Net framework and backend platforms in Java/J2EE with data access layer with oracle.

Environment: .Net, C#, WPF, ESB,BPEL, Java/J2EE,Oracle, Linux. Web services, Spring, Junit,NUnit, TFS, Clearcase, UML, Enterprise architect EA, Jude, UML, Eclipse, Visual Studio, agile, scrum, TDD, JBoss, SOA, Oracle, Oracle Coherence Cache , GoF design patterns. Oracle SQL developer, SOAPUI, Oracle Weblogic Server. Rally, Tomcat, Glassfish, OSGI, Virgo, Code Collaborator

**Motorola, Schaumburg**

**Development Lead/Application architect** Jan 2005 to March 2007

Development lead responsible for leading the design, development and deployment of applications for public safety systems

* Lead the team in design and development for software tools for installation of public safety system networks – tool for monitoring the status of the High power data modem and tool for testing the accuracy of installation of network.
* Architect for development of GPS Host tool for testing GPS on mobile computers.
* Spearheaded the introduction of new process around code review and test driven development for user interfaces using NUnitForms and Nunit.
* Maintenance and defect fixing of the legacy embedded system – radio network controller embedded software on multiple hardware (VME/cPCI) and Operating Systems (pSOS/LynxOS) configurations.
* Program manager for the outsourced project, Power management for mobile computers for public safety systems with Futuresoft Inc, India.
* Effectively handled and coached team members for configuration management/build management for windows applications and UNIX (embedded software) applications.
* Coached cross functional teams for advocating the usage of DOORS for requirements/test cases for the new projects and streamlined the guidelines for using the DOORS within the department.
* Lead the bug scrubs meetings and the initial triage of defects and represented the team for Program level bug scrub meetings.

Environment: .Net, C#, NUnit, FoxPro, Clearcase, UML, DOORS, ASP.net, C, C++, LynxOS, pSOS ( VME Bus based embedded systems), Unix, VB.net, Rational Rose, SQL server.

**Walgreens, Deerfield**

**Application Architect / Sr Consultant**  Sept 2004 to Dec 2004

Developed web based print on demand applications for pharmacy that collected reports generated at various locations and of various formats and preprocessed and printed as a single request.

* Deployed and maintained the applications in various sites with various configurations.

**Siemens Medical Solutions Inc**, IL

**Siemens Medical Solutions** is a supplier to the healthcare industry and its products are imaging systems for diagnosis.

**Principal Software Engineer**  Jan, 2001 to Sept 2004

* Team lead for the development and maintenance of medical imaging applications for **angiography**.
* Lead for the development of a user friendly windows network interface for upgrading the legacy embedded system for facilitating the transfer and viewing of image files in **DICOM** format.
* Designed, developed and maintained quantitative analysis package with computer aided stenosis analysis for coronary arteries and left ventricle analysis in windows VC++ for user interface.
* Lead for the project management activities with the third party vendor, Pie Medical Imaging for interfacing the real time system software with the third party software for building algorithms for contour detection of arteries, peripheral vessels in quantitative analysis package.
* Lead the test team through usage of Bull’s eye code coverage for better code coverage and collaboration for integrated testing with Siemens, Germany thereby reducing defects and turnover time.

Environment: MFC, SDK, Win32 programming, TCP/UDP Socket programming, COM, ActiveX Controls, ODBC programming, ATL, STL, C++, VC++, Lint, Bull’s eye code coverage, Java/J2EE

**Spry Resources Inc, IL**

IT solutions provider

**Consultant / Architect** to MCI WorldCom, Chicago Board Options Exchange, S&C Electric Company.

Client: **MCI WorldCom, Oakbrook** May 2000 to Dec 2000

Performed a lead role of a specialist with broad range of skill set ranging from Unix / windows / database / Microsoft technologies to develop a prototype and proof of concept for the telecommunications inventory for interfacing windows applications on the front end with the UNIX applications at the back end.

* Developed applications using sophisticated splitter windows, tree views, OLE drag and drop facilities, printing and graphical presentation of the parent/child inventory relationship using VC++/MFC.
* Defect fixing in stored procedures of telecommunications inventory reporting system.

Client**: Chicago Board Option Exchange, Chicago** Nov 99 to May 2000

Performed as an individual contributor playing the role of an senior software developer to modify the existing trading system to facilitate decimal trading on hand held trading sets.

* Performed the maintenance of existing trading systems.
* Supported in integrated testing.

Client: **S and C Electric Company, Chicago**. June 98 to Oct 99

S&C Electric Company is a global provider of equipment and services for electric power systems.

Team lead for a small team of software engineers in developing a human machine interface for a source transfer system.

* Requirement analysis, design documents for the windows interface to the embedded source control system.
* Relational database modeling.
* Application development, maintenance, deployment.
* Trained the S & C staff for testing and installations.

Environment: C++, Java/J2EE, Java swing, VC++, CORBA, Unix, SQL server, MS access , stored procedures, Sybase, Unix, ASP, Javascript, VBscript, COM, ActiveX controls, STL, MFC

**ACADEMIC BACKGROUND**

Bachelors of Engineering (BS)-Jawaharlal Nehru Technological University (JNTU), India

**Patents:**

* ***United States USPTO Application #: #20120215799***

Methods and systems for receiving, mapping and structuring data from disparate systems in a healthcare environment (Link) Edit

* **United States US Patent Application No: 2013/0086,040**

SYSTEMS AND METHODS FOR DYNAMIC ON-GOING DECISION SUPPORT AND TRENDING BASED ON A FLEXIBLE DATA MODEL

.