**Summary**

Solution Architect/AVP with more than 15+ years of software industry experience on Microsoft technologies with strong emphasis on Middle-ware, Web Based Application and Windows Applications. Proven skills in business process re-engineering, producing architecture artifacts, designing high quality business and technical solutions, database modeling, applying best practices and manage implementations on site.

* Delivered series of software solutions including Large System applications, Enterprise portals, windows applications and wireless based solutions.
* Expertise in Data Architect, Data Modeling, Unified Modeling and Enterprise Architect.
* Expertise in Service Oriented Architecture using .NET framework 3.5/4.0 and WCF.
* Design and Developed WCF Services to interact with mainframe system via IBM MQ on web farm environment.
* Expertise in Design Patterns (MVVM, MVP, and MVC), Entity Framework, CAB and Prism Framework.
* Expertise is in BPM (Business Process Management), Application life cycle management, Continuous Integration, SDLC, Test Driven Development, RUP and Agile (Scrum) processes.

**Domain Expertise:**

Fraud/AML/Risk Analytics

Investment Banking

Wireless VAS (Mobile Apps)

**EDUCATION:**

Master’s of Computer Applications 1997

Bachelor of Science 1995

Diploma in Advanced Computing from C-DAC 1997

**CERTIFICATIONS:**

Microsoft Certified Professional: Application Development Foundation (C#)

Microsoft Certified Technology Specialist (MCTS):

.NET Framework 3.5, Windows Communication Foundation (WCF) Using C#

Microsoft Certified Technology Specialist (MCTS):

.NET Framework 3.5, ASP.NET Application Development Using C#

Microsoft Certified Technology Specialist (MCTS):

Microsoft SQL Server 2008, Business Intelligence Development and Maintenance

Certified Scrum Master (Agile) and Member of Agile Alliance

Member of Project Management Institute (PMI)

Brain bench Certified ASP.NET, WAP, WML, ASP, SQL, JAVA2 Programmer

**TECHNICAL SKILLS:**

|  |  |  |
| --- | --- | --- |
| Development Tools | : | Visual Studio.NET 2002/2003/2005/2008/2010, Microsoft Compact Framework 2.0, Visual Source Safe, Harvest, Rational Rose, Visio, Erwin, Smart Trust DP5, Embedded VB, Microsoft Mobile Toolkit, Microsoft Project, Microsoft Visio, Test Director, SQL Server Reporting Services, Blackberry Plug-in for .NET., Visual Studio Team System, Subversion, Microsoft Office 2010, Microsoft Visio 2010, Microsoft Project 2010(EPM). |
| Languages  ORM | :  : | C#, WCF, WPF, ASP.NET, VB.NET, Java, C, C++, Visual Basic 6.0, J2ME  LINQ, Entity Framework, NHibernate |
| Database | : | MS Access 2000, MS SQL Server 6.5/7.0/2000/2005/2008, ORACLE 8/9i/10g, Sybase |
| Scripting/Markup Language | : | AJAX, VB Script, Java Script, Jscript, JQuery, JSON, Lotus Script, HTML, CSS, DHTML, WML, XML, XSL |
| Methodologies | : | UML, OOAD, RUP, Agile |
| Component Technology | : | COM, COM+, DCOM, ACTIVE X, .NET Assemblies, AJAX,  .Net Framework 3.5/2.0/1.1/1.0, XML Web Services, SOAP, Windows Services, Enterprise Services in .NET, WCF |
| Web Servers | : | IIS 5.0/6.0, Lotus Domino R5 |
| Operating Systems | : | Windows-9x, Windows NT 4.0, Windows 2000, Windows 2003, Unix, Linux, Pocket PC |

**Professional Experience:**

**XL Capital Aug. 2011 – Till Date**

**Stamford, CT**

Tech Lead

**XLeRate Pricing System:**

This system provides the pricing information to the underwriters. They can create, test and deploy different pricing models across the segment for use by a broader underwriting audience. The suite of pricing models and utilities is deployed to the global XLeRate user audience by leveraging XL’s corporate portal technology (citrix client).

The system consolidates global data sets within a centralized database. It provides aggregated reporting of pricing activity and segment revenue.

**Role:**

* Build a Road Map to enhance the existing pricing system.
* Build a Data Model and plan to modularize the existing system.
* Developing Simulation Engine and Pricing Engine using .NET 4.0 Parallel Programming PLINQ and Advanced Math Libraries.

**Environment:** .NET 3.5/4.0, C#, Advanced Mathematics Libraries (Rogue Wave, QuantLib, MatLab, SPSS, S-Plus), .NET Win Forms, ADO.NET Entity Framework, WCF, Windows XP/7, VM, Microsoft SQL Server 2008, IIS, Visual Studio .NET 2010, TSS, Quality Center, Microsoft Visio 2010, Microsoft Project 2010, Microsoft Excel/VBA.

**UBS Investment Bank May 3rd 2010 – Till Date**

**Stamford, CT**

Consultant (Sr. Net Architect/Scrum Coach)

**Workflow System for Cash, Derivatives, Collateral, Stock, Bond, P&L & Equities:**

This system catches all the Cash, Stock, Bond, collateral and derivatives data in nightly batch file from GGL, meridian, PNL, Cash, Static and other sources. System loads the data into sql server using SSIS and runs the SQL Rules on the data. User can download the data in different templates and filling the remaining information in the template. Once the template submitted to the system, supervisor can approve or disapprove the template. Supervisor can re-examine or compare the template data. Once the template is approved the final information can be updated into the GGL. System also generates various reports for executives.

**Role:**

* Developed Collateral and Derivatives application using C#, WPF, WCF and SQL Server.
* Used MVVM and CAB framework to design and developed the application.
* Design and developed GUI interfaces in WPF.
* Created Excel Library in C# to Import and Export the data.
* Scrum Coach – Implemented Scrum in the GVC group.
* Implemented Continuous Integration Process using Visual Studio Life Cycle Management Tools.
* Participated in the functional design review meetings and technical design review meetings.
* Provide complete end to end solution to develop this system.
* Wrote SSIS package to upload the data into the SQL Server 2008.
* Generate various reports and export the data into excel.
* Design large data storage and used partitioning and partition swapping.
* Migrating existing application to .NET 4.0.

**ENVIRONMENT:** .NET 3.5/4.0, C#, SSIS, .NET Win Forms, WPF, WCF, ASP.NET, Windows XP, Microsoft SQL Server 2008, IIS, Visual Studio .NET 2008/2010, Subversion, Microsoft Visio 2010, Microsoft Project 2010, Microsoft Excel.

**Wachovia Bank**

**Charlotte, NC Jan. 2005 – April 2010**

Architect (Assistant Vice President – Full Time Employee)

**Fraud Prevention & Risk Analytics (SOX Application):**

From check fraud, to credit card fraud, to identity theft and beyond, fraud is an equal opportunity crime, and every business is vulnerable. This is particularly true of banks, which trade money in bytes rather than paper. The "invisibility" of electronic monetary transactions, makes fraudulent activity easier to hide and increases a bank's vulnerability.

Fraud Prevention and Detection for Financial Services helps banks stay one step ahead of the perpetrators by providing an end-to-end knowledge infrastructure that is designed to create consistent and reliable enterprise wide intelligence on fraud. Based on an integrated fraud queues, this solution lets banks monitor transactions for suspicious behavior, analyze data to identify new patterns and refine fraud alerts, and efficiently manage potential fraud cases from detection through notification of the authorities.

**ASI-19**: this system is designed to detect deposits that are larger than normal for a customer's account. The main data elements used to generate suspects are account age, ORG, and average deposit amount.

**NAF**: this model is used to detect New Account Fraud where the customer specifically opens an account to commit fraud against the bank. For the purposes of this report, a "new" customer is defined as any customer with a relationship open <= 180 days.

**EFD**: the largest system worked by the Enhanced Fraud Detection team is the 419 model. This report generates suspects where the customer could be a victim of a 419 scam (i.e. lottery scam, inheritance scam, EBay scam, etc). EFD also works the Canadian RT model. This report generates suspects based on items drawn off foreign banks that are deposited instead of being sent for collection. Crooks will sometimes use foreign items to perpetrate 419 scams since they don't follow the same regulations regarding the length of time allowed to chargeback.

**First Form Data Integration (Consol app)**: design and developed the first form data integration application for loss management.

**Transit Watch Application (Win Form app)**: design and developed the transit watch application for loss management team.

**Prevention Detail System**: design and developed the web based PDI system.

**PPS Queue**: design and developed the web based PPS system.

**ChexAlert**: design and developed the web based ChexAlert system.

**Deposit Check System**: design and developed the web based deposit check system.

**POS**: Design and developed the POS application using C#, Microsoft Excel, ASP.NET and AJAX. User can upload the data from excel to database and also export the data from database to excel. System also generate various reports into excel.

**Role:**

* Design the architecture of the new fraud prevention system for Wachovia bank.
* Participate in functional design review meetings and technical design review meetings.
* Provide complete solution to develop any new fraud related tool.
* Design and Developed the technical design document including Use Case diagram, Class Diagram, Activity Diagram, Component Diagram and Sequence Diagrams for the project.
* Design and developed a Rule Based system to generate the suspects for fraud prevention system.
* Architect the complete new prevention detail system in .NET 2.0 in 2006-2007. Design and developed the server component as well as the class libraries for other team members.
* Design and Developed Prevention Detail, SAR, Deposit Check, Check Safe, ASI19, 419, Canadian, NAF, Transit Watch, Nigerian Queues and Hot File System.
* Design and Developed web services, windows services and reusable components. Developed a custom collection class to store the values for temp. Purpose. This collection can be used for entire application, also serialized the values and store in session.
* Design and Developed Custom Control using ASP.NET and AJAX.
* Designed & Developed Web Forms using ASP.NET, ADO.NET, C#, XML, DHTML, HTML and JavaScript (JSON).
* Developed common library components for Caching, Session Handling, Exception Handling, Database Handling, Mainframe Data Reader and Updater CIMS (MQ).
* Design and Developed WCF Services to interact with mainframe system via IBM MQ on web farm environment.
* Developed Master Pages and user controls in the system.
* Developed HTTP Modules and HTTP Handlers for User Authentication and Check Image Viewer. Design and developed server control for Image Viewer and used asynchronies callback mechanism.
* Developed web services to read the data from mainframe and secured using WSE. Used SOA to design and developed these web services.
* Developed various Stored Procedures, Triggers and Views in Oracle 10g.
* Wrote the Unix Program to load the data file into the oracle tables. Configure jobs in AutoSys. Also carry a pager to provide production support if require on rotation basis.
* Established a lightweight Scrum project management process and helped team meet sprint goals.
* Coach team members on agile software development techniques.
* Part of continuous integration process team.
* Design and Developed the Day0/ASI19 system using Scrum Process.
* Microsoft Excel Automation using C# and ASP.NET.
* Architect the new Day0 System for fraud in .NET 3.5 and converted existing web services in to WCF Services. Also converted the .NET 2.0 system into .NET 3.5.
* Used JQuery Library in Day0 System and converted existing JavaScript module into JQuery enabled module.

**ENVIRONMENT:** .NET 2.0/3.5, WCF, LINQ, NHibernate, ASP.NET 3.5, C#, .NET Enterprise Services, Windows 2000/XP/2003, Oracle 10g, Microsoft SQL Server 2008, IIS, Visual Studio .NET 2005/2008, JSON, JQuery, SOAP, WSE, AJAX, XML, XSLT, Java Script, Visual Source safe, Harvest for Version Control, CVSNT, UML, Visio, Enterprise Architect, Visual Studio Team System, UNIX, AutoSys, Microsoft Excel, Test Director.

**ECVS (Enterprise Customer Verification System - Patriot Act 326):**

Enterprise Customer Verification System (ECVS) is used for to verify the customer information. The process begins with gathering account information. The data came for different sources in the files in the night and loaded into the database. The ECVS information (saved data) is used for customer verification as a later process. Based on the rule engine some of the customer will automatically verified during load. For other customers will send the data to the different vendors for verification. Vendor will verify the customer and send us the details about the customer. System again will load this information and display that to the analyst. System will collect the data and store into different queues based on the logic. Once the record is in queue system analyst can do following tasks.

* Close the account.
* Moved account into different queue.
* Generate different types of letters.
* Generate EDD Request.
* Attach notes against the record so that another analyst will see and take the appropriate action.

There is a separate maintenance link for business analyst and system administrator to configure the queue, dispositions, letters etc.

**Role:**

* Played as a project lead role in this project.
* Analysis of client requirement, making workflow process flows and necessary documents for the project.
* Responsible for Requirement Analysis, wrote SRS, SDD and Test Cases.
* Design & Developed user controls and wrote code in code behind file.
* Developed XML and used XSL for reports & letters.
* Designed & Developed Web Forms using ASP.NET, ADO.NET, VB.NET, XML, DHTML, HTML and JavaScript.
* Wrote the Unix Program to load the data file into the system. Configure jobs in AutoSys.
* Developed various data objects like Stored Procedures, Triggers and Views in Oracle 9i.
* Testing, troubleshooting in the application.

**ENVIRONMENT:** ASP.NET, VB.NET, C#, .NET 1.1, ADO.NET, Windows 2000, Oracle 9i, IIS, Visual Studio .NET, XML, XSLT, Unix, AutoSys, Visual Source safe and Harvest for Version Control.

**Citibank Jan ‘2004 – Dec 2004**

Project Leader (Contractor)

Information Risk Management (IRM) is a corporate wide compliance driver to provide a global risk management view measuring compliance, highlighting significant issues across hundreds of applications. It’s an online tool for senior management, which measures the compliance by application, service provider, information owner, business, technology and ties audit scoring to compliance position platform. Provides a gauge to measure audit issues against perceived process compliance and risk under each policy. Share information from a search capability across product companies, applications and platforms as it relates to compensating controls, plans, process and tools.

**Role:**

* Worked as a project leader/solution architect.
* Analysis of client requirement, making workflow process flows and necessary documents for the project using UML.
* Responsible for Requirement Analysis, wrote SRS, SDD and Test Cases.
* Captured requirements by working closely with the client and users.
* Designed and presented detailed software architecture, effort estimation and hosting infrastructure including budgetary requirements.
* Managed deployment into production at intranet site.
* Lead the implementation and testing phases.
* Used ASP.NET caching features, configuring ASP.NET optimizations, securing ASP.NET web application.
* Used SQL Scripts to perform referential integrity, Multi-table joins on the MS-SQL Server database.
* Developed various data objects like Stored Procedures, Triggers and Views in SQL Server 2000.
* Testing, troubleshooting and implementing performance boost in the application.

**ENVIRONMENT:** C#, ASP.NET, MSMQ, VB.NET, ADO.NET, Web Services, Visual Studio 6, VB 6.0, Windows 2000, MS-SQL SERVER 2000, UML, Microsoft Visio, Microsoft Project, IIS, Visual Studio .NET, XML, XSLT, Visual Source safe, Enterprise Architect.

**Cellnext Solutions Dec ‘2002 – Jan ‘2004**

**Clients:** American Express, ICICI Bank, UTI Bank, HDFC Bank, Aviva Life, Max Newyork Life, LIC

**Solution Architect**

**Mobile Banking and Insurance System (Product):**

Using this product customer can pull and push the information from the banking and insurance system. User can check his account balance, payment details, premium details, stop payment etc... Push application will generate and send SMS at a predetermined date and time. The application will also generate the Delivery status reports of the SMS messages delivered through SMSC. The generated delivery status reports will be downloaded by clients authorized users as and when required.

**Predefined Alerts:** Application will check values in the database on a predefined interval and send the alerts to the customers and agents. Like premium alert, policy alert, commission alerts, balance alert and birthday alert.

**Pull application:** User will send a request on a Short Code and based on the message type he will get the information on his handset. User can also download the application on the advanced cell phone and access the banking and insurance system.

**Role:**

* Design and developed the concept and prepare the document using Microsoft Visio and power point.
* Created SLA Documents, SOW, Project Plan and Technical design documents using UML.
* Design and Developed the prototype and present to the senior management.
* Responsible for status meetings as well as the performance management for the team.
* Handled Java as well as the VB/.NET Team.
* Design and developed the core component to interact with the different banking and insurance systems.
* Provide technical and business guidance for ongoing payment system.
* Implemented the final product before the delivery date.

**ENVIRONMENT**: Visual Studio .NET, C#, MSMQ, VB.Net, ADO .NET, ASP .NET, XML, XSLT, Visual Source safe, Smart Trust DP5 Platform, J2ME, WSE, Windows 2000, Unix, MS-SQL SERVER 2000, UML, Microsoft Visio, Microsoft Project, IIS, Rational Rose.

**Siemens Inc. April ‘2001 – Dec ‘2002**

**Project Lead**

**Wireless Contact Management System (HiPath Pro Center for Call Center)**

This is a contact management system. This system is designed for the call center people and system administrators. In call center, Using this system supervisor and agents can share the information using his Win CE device (IPAQ). They can share the files and related information on his device. If requires they will do chat on his device. In the call in queue process if age is greater than 50 then system will send the beep to the supervisor. He can also download the reports on his device. Using the system the supervisor can select the contact center URL using his Win CE device (IPAQ), Cell Phone, PDA or other supported mobile device.

**Role:**

* Lead programmer on three business modules – Transfer of Tariffs, Local Discounts and Global Discounts
* Designed and Developed Forms, Class modules in Visual Basic 6.0, developed COM, DCOM components using ActiveX DLL’s and deployed these components with Microsoft Transaction Server (MTS) and Microsoft Message Queue (MSMQ).
* Created Stored Procedures and triggers to activate database calls.
* Used IIS and MTS for server components management
* Involved in writing design specifications & function specification documents
* Prepared design documents and arrived at technical specs for the requirements.
* Developed programs & COM objects and deployed the same on application server.
* Deployed the COM components on MTS
* Developed a component to handle asynchronous transaction and used MSMQ
* Coded the Intranet part of the application using ASP, HTML, Java Script and VB Script.
* Wrote triggers, functions and procedures to incorporate the validations and business logic.
* Developed GUI for Pocket PC based devices.
* Designed and developed Active-X COM components in VC++ which encapsulates core logic of the application
* Planned and implemented various SQL,PL-SQL statements, stored procedures and triggers according to the requirements of the project.
* Assisted team members with documentation and testing of code.

**ENVIRONMENT:** VB 6.0, VC++, XML, XSL, Pocket PC, Embedded VB, Visual Source Safe, Oracle 7.3, Windows NT, SNMP, PDH, WMI, SMTP

**GAP Jan 2001 – Mar 2001**

**Sr. VB Developer (Consultant)**

This system is developed for the GAP’s business partners for his payroll, increments, bonus and merchandise calculations. Using this system they can access the data from excel and people soft and stored this data in the Access. They can also generate the reports like Discretionary Bonus, Input Worksheet etc.

**Role:**

* Developed a business modules used to assist the Customer Support Engineers in analysis of the machine performance.
* Created a module responsible for handling all the customer related issues like installation of new machines, delivery of consumables, providing feedback to the management regarding the comfort level of clients.
* Created Stored Procedures and triggers to activate database calls.
* Full life-cycle development of the project.

**ENVIRONMENT:** Windows NT, Visual Basic 5.0, DB2, Oracle, Visual Source Safe

**Eforum Systems Oct 1998 – April 2000**

**Client: PowerPlan Corp.**

**Sr. Developer**

Power Plan is a powerful tool that eliminates the difficulties of Budgeting and the reforecast. All reports generated through this system are having the Graphical Interface. It provides enterprises – Wide budgeting, forecasting, Variance Reporting and Multidimensional Analysis. This project consists of four modules.

a) Power Set b) PowerPlan c) Power Mart d) Power Utility.

**Role:**

* Developed GUI for Desktop and Browser.
* Developed business components in VB.
* Developed ActiveX DLL’s and ASP templates.
* Developed controls using Java script and html e.g. Tab Control, Tree View, NDBCombo, SSListBar

**ENVIRONMENT:** Windows 2000, Sybase, MS-SQL SERVER 6.5, ASP, IIS, VB, Java Script, Third Party Controls.

**Personal Projects**

1. Design and Developed Various Gadgets on Windows 7.

e.g. Display output of the perfmon.exe into windows gadgets and provide a functionality to open a ticket. Display series of pictures similar to digital photo frame in windows gadgets.

1. Design and developed educational portal [www.educationinfoindia.com](http://www.educationinfoindia.com). Using this system student can get the various education related information. e.g. Different schools in a state, admission procedures etc.
2. Design and developed school management software Gyan. Gyan is a browser based innovative, feature super rich turnkey school management system that automates all tedious tasks and provides to a user with to the point information just when you need it and the way they need it. Its tight integration with the web insures timely updates, notifications, feedbacks etc. This means the parents can know their wards’ performance without ever having to come to school or so much as making a call. Ditto for management, even when in other city a director can know as to how well a class fared in a particular exam and can suggest improvisations to the concerned people on the state of the art chat system of Gyan. Modules:
   1. Admission Module
   2. Time table Management
   3. Online Exam
   4. Parent – Teacher online Chat
   5. Accounting
3. Design and developed following mobile based value added applications.
   1. SMS based chat application (Airtel, Reliance, BSNL, Vodaphone, Grameen Phone, Idea cellular, Escotel, spice Telecom)
   2. Dating application (Airtel, Reliance, BSNL, Vodaphone, Grameen Phone, Idea cellular, Escotel, spice Telecom)
   3. Railway Inquiry application (Airtel, Reliance, BSNL, Vodaphone, Grameen Phone, Idea cellular, Escotel, spice Telecom)
   4. SMS based Airline Inquiry application
   5. Container tracking system for Container Corporation of India.
   6. SMS Based Order system for Amway and Oriflamme
   7. Content Management system for mobile users. The content management team basically store different types of the data using a web based system. Based on the user request system will look the specific information in the database and send to the user mobile. e.g. Hotel Information, City specific Information, Horoscope, Fengshui, Rahukaalam, Numerology, Jokes, Movie Information, Music Information, forex, Galileo, weather information, Classifieds, Yellow Pages,
   8. Alert system e.g. Ball by ball cricket score, Life Insurance Premium Due Alerts, credit card payment due alerts, etc…
   9. Web Based Billing system for mobile users based on the pull and push request. System basically read the logs from the SMS gateway and stores the data into the Microsoft SQL Server based on the user’s mobile number and the operator code. System also provides a web based front to see the billing data. System also sends a monthly report to the operator.
   10. File Upload Utility for various clients: Web based system for various clients to upload the mobile number and messages to the data center. System read the data from the text or excel file and send the messages to various mobile customers. System also generates the delivery report and send to the client.
   11. Health Care system for Escort Hospital
   12. Group Messaging
   13. Chain Messaging
   14. Online Bidding
   15. Multi Layered Contest Game
   16. Snakes Ladder Game
   17. Treasure Hunt Game
   18. Mobile based point of sale system: This system design and developed on windows mobile (pocket pc) for hotels and restaurants. this system handles the Order Tacking, Payment and KOT Printing.
   19. Search Engine for mobile users