

Kishore Shiraguppi

Full-Stack Software Engineer with Expertise in Front-End Development, .NET, Java, SQL, System Architecture, and Design.

Seasoned Technology Expert with over two decades of hands-on experience in IT, specializing in enterprise web, desktop and distributed client-server technologies. Proven track record in a variety of business sectors including Banking, Finance, Wealth Management, Municipal Markets, Fixed Income, Logistics, Insurance, Enterprise Frameworks, Manufacturing, and Construction.

Expertise in Enterprise Application Architecture and Development

As a seasoned technology leader, I have spearheaded teams and significantly contributed to the architectural planning, requirements analysis, design, development, testing, and maintenance of various enterprise-level Line of Business (LOB) applications and framework solutions. My expertise encompasses a broad spectrum of technologies, including both frontend web and server-side technologies such as C#, Java, Spring Boot, ASP.NET, MVC, Razor Pages, Forms, and RESTful Web APIs, alongside proficient use of HTML, CSS, JavaScript, jQuery, Handlebars, Angular, React, Next.js, Vue, .NET Framework, ADO.Net, Entity Framework, WCF, Web Services, JSON, AJAX, XML, LINQ, Node, Express, and an in-depth understanding of Object-Oriented Methodologies (OOAD), SOA, Microservices, MVVM, Design Patterns, Data Modeling, and UML-based system design, development, and performance optimizations.

I hold strong expertise in database design and development, implementing complex stored procedures, functions, and triggers across various RDBMS like SQL Server (2016, 2012, 2008), Oracle 19g, and DB2, and have hands-on experience with NoSQL databases including MongoDB, Cassandra, and Redis. My experience extends to developing robust client/server applications utilizing technologies such as Web, WinForms, WPF, XAML, Electron, and Silverlight.

In the realm of DevOps and design tools, I am highly skilled with Visual Studio (2022, 2019, 2017), VSCode, NUnit, NPM, Node, Git, GitHub, Bitbucket, Visio, Invision, Canva, Figma, MS Office, and I am well-versed in SCRUM/Agile methodologies, Test Driven Development, testing, bug fixing, security frameworks, automated builds, SAST scans, CI/CD practices, Jenkins pipelines, and JIRA. Additionally, I am adept in data analysis and the deployment of business intelligence solutions using SQL Server Integration Services (SSIS), with proficiency in reporting tools such as Crystal Reports and SQL Server Reporting Services (SSRS).

My professional journey is also marked by a strong emphasis on research, UI/UX, comprehensive documentation, end-to-end Software Development Life Cycle (SDLC) flows, configuration, and project management. I excel in team leadership and management, demonstrating outstanding analytical and problem-solving capabilities, meticulous attention to detail, superior interpersonal skills, and an ability to mentor and foster growth within my teams. I am recognized for my quick learning abilities, adaptability to new technologies, and exceptional oral and written communication skills.

Technical Expertise Overview

Frontend Development:

Expertise in front-end technologies, including HTML, CSS, JavaScript, jQuery, Ajax, React, Angular, Vue, Next.js, along with MVC Razor Pages and WinForms.

Programming Languages, Frameworks & Platforms:

Comprehensive experience with multiple versions of the .NET Framework (1.x through 4.8) and .NET Core (2.2, 3.0, and 6), Entity Framework.

Proficient in Java and Spring Boot in developing micro aps.

Advanced proficiency in C#, including experience with VB.NET, ASP.NET (1.x through 4.5), and MVC (3.0 through 5.0). Skilled in modern and legacy Microsoft technologies, including .NET Core (3.0 & 6), AJAX, Silverlight (3.0 through 5.0), XAML, WPF, ADO.NET, Crystal Reports, SSIS, SSRS, WCF, Web Parts, Web Services, WSDL, XSL, LINQ, n-Hibernate, and Entity Framework (4.3 through 6.0).

Operating Systems:

Microsoft Windows Server environments (2019, 2016, and earlier).

Middleware, Application Servers & DBs :

Solid background in middleware and application servers, including Microsoft .NET, RESTful Web APIs, Web Services, WCF Services, MuleSoft Microservices, Remoting, Entity Framework, LINQ, and more. Proficiency with Node.js, Python, Java (JRE), Spring Boot, and Websphere MQ.

Extensive database management and development experience across SQL Server (2000 through 2016), Oracle (8i through 19g), MS Access 2007, MongoDB, Firebase, Supabase, Cassandra, and Redis.

Web Servers:

In-depth knowledge of web server management, including IIS (6.0 through 10) and Apache Tomcat.

Version Control:

Well-versed in version control tools and methodologies, including Visual Source Safe, TFS, SVN, GitHub, Git, and Bitbucket.

This overview captures a broad and deep technical proficiency across a range of technologies, frameworks, and methodologies, positioning me as a versatile and knowledgeable technology professional.

Education & Certifications

Bachelor's in engineering (**B.E - Electronics & Communications**) – First class with distinction.

Masters, **M.S. in Software Systems, BITS Pilani, India** – First class with distinction.

Microsoft Certified Professional (MCP in C# & SQL Server)

Brainbench Certified Professional in ASP.NET and C#.

Professional Work Experience

Bank of America / Merrill Lynch

Jan 2011 - Till Date

Vice President; Feature Lead - Technology

Digital Platforms Technology Contributions: Online Wealth Management Applications

Within the Digital Platforms Technology domain, I have played a pivotal role in enhancing the online wealth management ecosystem. My contributions span across a wide array of applications, including

- Alerts
- Statements & Documents for Merrill & Private Bank
- Secure Message Center
- eSignature
- Margin & Options Applications
- Client Communications Center
- Private Bank Performance Reports
- Asset Tools & Calculators

- PB Customer Care Center
- WMO
- Various internal tools

Roles & Responsibilities:

Application Development & Upgrade: Spearheaded the analysis, design, development, and upgrade of a diverse line of business applications. Employed N-tier architecture and utilized cutting-edge technologies such as Java, C#, ASP.NET, WEB APIs, Micro apps, LINQ, JSON, CORS, HTTP client libraries, alongside caching and logging solutions (log4net, repliweb) and NAS storage for data management.

Frontend & UI Development: Led initiatives to design and execute new development projects using state-of-the-art UI frameworks and Vue.js, Angular, Handlebars, alongside Java micro API development utilizing Spring Boot archetype. Additionally, crafted user interfaces and widgets leveraging HTML, CSS, JavaScript, TypeScript, and frameworks like jQuery, Bootstrap, Angular, React, supported by tooling infrastructures like GIT, NPM, NodeJS. Developed Angular services for various client-side functionalities.

Middleware & Design Patterns: Contributed to the design and implementation of reusable business domain models for middleware components, incorporating design patterns such as Singleton, Repository, Object-Oriented concepts, Factory patterns, and Dependency Injection.

Database Management: Focused on database design and optimization, including stored procedures, functions, triggers, and performance tuning.

Security Implementation: Implemented security modules adhering to internal standards and SSO for user authentication and authorizations.

CI/CD & Scripting: Defined and onboarded product installer packages (MSIs) through CI/CD processes, crafted custom PowerShell and VB scripts.

Collaboration & Leadership: Engaged with technology partners across Engineering, Architecture, and Testing teams to ensure successful application design, build, deployment, and production release. Served in a team lead capacity, mentoring junior staff, documenting knowledge, and sharing artifacts.

Team Guidance & Management: Guided team members in adopting effective skills and engineering practices, including planning, estimation, and peer reviews. Identified skill and role gaps, collaborating with the Technology Manager to devise solutions and resource contingency plans.

Sprint & Project Management: Managed Sprint Review and Planning meetings, addressed project conflicts, created, and assigned tasks to development team members, ensuring a cohesive and productive team environment.

GWIM Frameworks Team Contributions: Lead Developer Role

During my tenure with the GWIM Frameworks team, I served as a Lead Developer, spearheading development efforts for a suite of applications, including:

- SIMON
- App Builder
- ETASC User Portal
- MLPF Mobile
- UX Prototypes Portal Framework
- Presentation Framework
- PFPAD

Roles & Responsibilities:

API Development & Mobile Integration: I led the development of REST APIs to expose MLPF Mobile's device detection capabilities, serving as a pivotal service component for other application teams. This initiative facilitated the integration of device detection features across various platforms.

Platform & Application Upgrades: Spearheaded platform upgrades to newer versions, enhancing performance and security. Developed responsive design applications for internal support and utility purposes using mobile-friendly frameworks (HTML, CSS, JavaScript), leveraging MLPF Mobile components for device detection.

Frontend Development: Played a key role in designing and implementing client-side functionality, utilizing HTML5, CSS3, AngularJS, and JavaScript. My efforts resulted in enhanced user experiences and interface functionalities.

Middleware & Web API Development: Developed MVC Web APIs to bolster middleware services, including repository and feedback services. This work streamlined communication between the frontend and backend, improving application responsiveness and efficiency.

Database Design & Development: Contributed to the database design and development on SQL Server, focusing on optimizing data storage and retrieval processes to support application demands.

UI Component & Framework Prototyping: Created sample UI components and feedback widgets, showcasing prototype framework concepts. This initiative helped in visualizing potential application improvements and user interaction models.

Content Delivery Network (CDN) Development: Led the development of a reusable CDN product (MLCDN), tailored for Bank of America, facilitating efficient content delivery (e.g., static content, JS libraries, app assets) across development groups.

Cache Notification & Data Refresh: Worked on the design and implementation of a SQL cache notification architecture, including a Windows service for dynamic data refresh upon new configuration publications. This ensured up-to-date data availability and consistency across applications.

Database & API Services: Engaged in comprehensive database design activities for the module, including stored procedures and REST Web API services, aiming to enhance data management and accessibility.

UI Development: Developed user interfaces employing ASP.NET MVC, JavaScript, jQuery, and jQueryUI, focusing on creating engaging and intuitive application interfaces for users.

In this role, my contributions spanned from technical development to strategic enhancements, significantly impacting the efficiency, usability, and scalability of applications within the GWIM Frameworks team. My leadership in these areas fostered innovation, collaboration, and technical excellence across the team.

Tech: C#, ASP.NET, MVC, Web forms, Web APIs, WCF, ASMX, HTML, CSS, JavaScript, HTTP, Ajax, Handlebars, Angular, React, ADO.NET, Entity Framework, LINQ, T-SQL, Nuget, Replixweb, PowerShell, NPM, jQuery, GIT, Node, Windows service, .NET Caching, Session, SFTP, AutoSys, CICD, IBM MQ, SQL Server 2016, 2012, Oracle, Microservices, IIS 10, 8.5, 7, Silverlight 5.0, XML, JSON, SMO, NUnit, Log4net

Senior .NET Developer/Consultant

Project: Muni Markets Portal & RBC bond Direct Integration

This is an integrated platform solution developed for the Municipal Finance of Capital Markets, and fixed income group. The application helps automate all the deal transaction processes, sales & trading activities, underwriting, syndicated deals etc. with integrations to RBC's popular Fixed Income electronic trading platform bond Direct which is for Institutional Clients, and is made to receive its important features like Live Pricing Updates, real-time online trade plotter, pricings, ratings, inventory updates of issues etc.

Roles & Responsibilities:

Throughout my involvement in these bank projects, I have played a key role in various stages of the software development lifecycle, including requirements gathering, employing test-driven development methodologies, and adhering to continuous integration practices. My responsibilities have spanned across several key areas:

UI Design and Development: I crafted user interfaces using ASP.NET, Telerik Ajax web controls, HTML, and CSS, focusing on creating intuitive and responsive designs.

Interface Development: I developed crucial interfaces for functionalities such as deal search and display, and historical bonds transactions data, utilizing Silverlight 3 and WCF services. This work facilitated efficient data presentation and retrieval.

Analytical Module Development: I was instrumental in developing a significant module that leverages domain-specific quantitative analysis to construct an optimal portfolio of bonds. This module, designed to meet future liabilities of funds, required extensive historical data analysis and the application of complex analytical business logic.

Workflow and System Integration: I developed key application modules that facilitated workflow interfacing and integration between document management systems and the PEGA system for deal transactions. I implemented .NET built-in cryptography algorithms to secure sensitive deal information.

Service-Oriented Architecture: I authored a .NET wrapper for authorization functionalities, subsequently exposing it as a SOA - WCF service. This service was designed for widespread use across different groups, enhancing security and access control mechanisms.

Full Module Implementations: My work included full module implementations using Web Forms, ASP.NET, AJAX, JavaScript, jQuery, Telerik controls, and SQL Server (including stored procedures and functions). I applied tiered architecture principles and design patterns to ensure modular, scalable, and maintainable codebases.

Application Logic and Interfaces: I extensively used C# language features, such as LINQ, to develop application logic and interfaces, adhering to OOP principles to ensure robust and efficient software solutions.

AJAX Functionality: I integrated ASP.NET AJAX blocks into web pages to enhance user experiences through seamless AJAX functionalities.

Reporting and Data Integration: I developed SSRS reports for daily feeds and crafted SSIS packages to dynamically generate trade and underwriting reports, serving the needs of trading desks and underwriting personnel.

Advanced SQL Development: I coded several complex stored procedures, functions, and SQL queries in SQL Server 2005, demonstrating my deep understanding of database management and optimization.

Cross-Domain Knowledge Expansion: I expanded my technical knowledge by engaging in RBC's proprietary FX Trading tool, FlexDirect, during knowX, an annual cross-domain product training program. This experience broadened my understanding of financial trading platforms and their underlying technologies.

Tech: C#, .NET 3.5,3.0, 2.0, Java Script, ASP.NET 3.5, Silverlight 3, NUnit, ADO.NET, LINQ, XML WCF web services, XSLT/XSD, IIS 6.0, HTML, OOPS, Multithreading, SQL Server 2005, Visual Studio 2008, Ajax, design patterns, Telerik Controls, Microsoft Enterprise Library, Documentum, SSIS, SSRS, IBM DMS, MQ, Windows Service, Windows server 2003, JIRA bug tracking Tool.

United Parcel Services (UPS), NJ

Jan 2009 – Jun 2010

Senior .NET Developer/Architect Consultant

Project: CCPS

UPS financial systems domain application. Helps UPS manage & sort out the declined credit card transactions of the account holders who utilize various types of parcel services of this logistics giant across the United States & Canada.

This is a web-based software solution that's developed using latest .NET technologies like ASP.NET 3.0, Ajax, SQL Server 2005, SSRS, OOPS, Design Patterns, multithreading, WCF web services etc. The system interfaces with Paymentech, a third-party service that does the actual transactions and sends the result to our application with all the necessary status. The CCPS assigns the declines to different processors (users) based on various role rules configured within the system. The supervisor module monitors all these resolutions and has its say in the final approval process. Credit Card numbers are tokenized within the system using RSA Security infrastructure. The declined transactions are resubmitted to paymentech for resolutions through this system.

Software Development Lifecycle Engagement

Throughout the development lifecycle, I actively engaged in various stages, including requirements gathering, implementing Scrum methodologies, employing test-driven development, and adhering to continuous integration practices. To streamline our Agile development processes, we utilized Rally, a third-party tool designed to enhance project management and collaboration.

Key Responsibilities and Achievements:

Module Development: Spearheaded the development of essential application modules, including file import, processing, and automatic transaction assignment, demonstrating my capability in managing and enhancing core system functionalities.

Business Reporting: Designed and developed comprehensive business reports within the system using SQL Server Reporting Services (SSRS), thereby enabling insightful data analysis and decision-making.

Security Integration: Authored a .NET wrapper for the RSA Security Object Model (SOM) to facilitate tokenization/detokenization of credit card information, subsequently exposing this functionality as a Service-Oriented Architecture (SOA) - WCF service for widespread use. This integration was designed to work seamlessly with a C++ based RSA security system.

Data Encryption Tool Development: Developed a WinForms-based desktop tool to update existing credit card data in the system to an encrypted format, ensuring compatibility with the latest system requirements and enhancing data security.

Comprehensive Module Implementation: Executed full module implementations utilizing Web Forms, ASP.NET, AJAX, and SQL Server (including stored procedures and functions), applying tiered architecture principles and design patterns to ensure robust, scalable solutions.

Geographical Customization: Implemented country code parameterization to distinguish between users from the US, Canada, or other specific countries, enhancing the system's adaptability to regional requirements.

Financial Process Automation: Developed an automation solution for key financial business processes using SQL Server Integration Services (SSIS) packages, streamlining operations and improving efficiency.

Advanced Programming Techniques: Leveraged multithreading principles and callback features to manage long-running application tasks. Employed C# language features, such as LINQ, to craft application logic and interfaces, firmly adhering to Object-Oriented Programming (OOP) principles.

Frontend Development: Undertook the complete development of the front end user interface and application using ASP.NET, incorporating AJAX blocks to implement dynamic web functionalities.

System Integration and Scripting: Utilized UNIX shell scripting to establish FTP connections for downloading daily transaction files. Scheduled these scripts using Crontab to execute Sybase procedures, thereby automating the generation of export files from the database.

Web Development Tools: Applied ASP.NET GridView, FormView, Repeater controls, CSS stylesheets, and JavaScript to enhance user interface and interaction.

Project Management: Played a crucial role in project builds, integration, deployment, and customer support activities, ensuring seamless delivery and high customer satisfaction.

My involvement across these varied aspects of the software development process not only highlights my technical expertise but also underscores my commitment to delivering high-quality, secure, and user-friendly software solutions.

Tech: C#, .NET, VB script, VB.NET, C++, Java Script, ASP.NET 3.0, NUnit, ADO.NET, XML WCF web services, WinForms, XSLT/XSD, IIS 6.0, HTML, SQL Server 2005, Visual Studio 2008, Ajax, design patterns, Windows server 2003, UNIX Shell Scripting, Sybase DB.

New York Life Insurance, Westchester, NY

Sept 2008 – Jan 2009

Senior .NET Developer/Architect

Project: NYL Data Access Interface

Helped develop .NET adapters for interfacing with their existing Java based data access framework components. NYL Data Access framework is a robust technology platform developed for accessing corporate data.

Use of web services & Runtime Bridge called JnBridgePro. These adapters were hooked as the main interfaces to the Java side environment which was running with all these existing domain components. These NYL domain components represent data associated with Consumers (Insureds, Policy owners, Annuitants, Mutual Fund holders, etc), Producers (sales agents a.k.a marketers) and Financial Contracts (policies, securities, annuities etc). .NET based applications are required to use these Java components to access data from Producer, Consumer & Financial Contract data stores.

Roles & Responsibilities:

I took on the role of comprehensively understanding project requirements through in-depth case studies. My efforts led to the conceptualization and development of a proof of concept, exploring various interfacing methodologies between .NET and Java, such as web services, runtime bridges, shared databases, and integration brokers. This process involved evaluating the most effective interoperability scenarios, ensuring they aligned with existing standards, deployment frameworks, and architectural designs. Ultimately, we selected two primary adapter development strategies: web services and runtime bridges.

My responsibilities extended to leveraging C# 2.0 language features to craft application interfaces, grounded in Object-Oriented Programming (OOP) principles. I played a proactive role in the design phase, programming, and conducting C# unit testing to ensure robustness and reliability. The development of the user interface and the application was accomplished using ASP.NET, with a keen focus on enhancing user interaction through the implementation of ASP.NET AJAX blocks for dynamic web functionality.

Further, I utilized ASP.NET GridView and Repeater controls, coupled with CSS style sheets and JavaScript, to create intuitive and responsive web pages. My involvement was crucial in the stages of project builds, integration, and deployment, ensuring seamless transitions from development to production environments.

Tech: C#, .NET (ASP.NET 2.0, ADO.NET, XML web services, XSLT/XSD, IIS 6.0), HTML, SQL Server 2005, WinForms, Visual Studio 2008, JnBridgePro, design patterns, Core Java, J2EE Environment, Windows XP

Honeywell

March 2006-Sept 2008

Senior Software Engineer

Project 1: e-Terminal

This is a self-service shipping kiosk targeted for truck drivers to self-operate the kiosk based on the reference shipping order. The objective is to get the necessary shipping documents with digital signatures related to their shipping & logistics. It is a touch screen kiosk and software application is customizable to each of the driver's regional languages.

Roles & Responsibilities:

Responsible for writing out and baselining all the functional specifications & diagrams in MS Visio.
Conceptualized and implemented the web service architecture for finalization & printing of documents.
Designed the SQL Server table structures & written stored procedures, triggers using T-SQL.
Actively involved as part of detailed design, programming in C#, unit testing using NUnit framework and deployment activities.
Used C# 2.0 features like partial classes, Generic List and Nullable Types in developing application frameworks.
Contributed to code reviews, defect tracking using Siebel tool etc.

Tech: WinForms, ASP.NET, C#, XML, SQL Server 2005, SQL Reporting Services, Biometric Fingerprint Recognition, Digital Signature handling etc., WinXP, Win2000, Win2003

Project 2: Active Trend Charting Tool

A solution that would comprise Active Widgets used as part of an existing OptiStudio environment to view trends. It is a graphical tool used to display loads and potential bottlenecks in a plant at each stage in the mill starting from the paper machine and including winders, sheet makers, wrap lines and the warehouse. These widgets are used in an array of machines.

Roles & Responsibilities:

Participated in requirements gathering & clarifications process.
Involved in design and development of a consistent user interface using WinForms and user controls.
Used C# 2.0 features like partial classes and Generic List in developing application frameworks. Worked on POC submissions to arrive at the right charting component among Tee Chart, MS Chart & National Instruments.
Developed key interfaces for the application using OOAD principles & patterns to make it consumable by the legacy application environment.
Developed an integration module that processes the XML file and uses .NET Serialization, De-serialization principles to load type safe objects for processing.
Performance improvement activities & code refactoring.
Actively involved as part of design, coding, testing and delivery activities.

Tech: WinForms, C# 2.0, .NET, XML, SQL Server 2005, Oracle 10g, Teechart & Far point Spread Components, WinXP, Win2000, Win2003.

Project 3: OptiVision

OptiVISION is a Manufacturing Execution System (MES) developed specifically for Pulp and Paper Manufacturers and is designed to be the link between floor level systems (DCS, QCS, Rewinder, etc.) and upper-level business systems (ERP). The functionality provided by the system is suitable for supporting single or multiple Mill Operations from Order Entry through Shipping. OptiVISION can also integrate with an ERP Vendor. It is a Supply Chain Management solution for industrial process automation. It is a one-stop solution right from order entry up until shipping.

Roles & Responsibilities:

Participated in detailed designing, feature enhancement release activities etc.

Implemented Unicode, .NET globalization & localization features.

Implemented log4net logging & configuration framework for the entire product.

Developed customized quality reports using SQL reporting services.

Developed Database Updater tool for DST compatibility Here I developed a common utility class and used concepts like polymorphism to support different database providers like SQL Server, Oracle, DB2, & Sybase using specific ADO.NET APIs.

Involved in a six-sigma Green Belt project that was aimed at improving the software development process and increasing the productivity ratings with a focus on our product domain.

Tech: C#.NET, WinForms, Crystal Reports, XML, third party tools, SQL Server 2000, Oracle 10g, Sybase, Windows Service. SQL Reporting Services. WinXP, Win2000, Win2003, UNIX.

Nous Infosystems

Jan 2004 to March 2006

Software Engineer

Project: Project Appraisal Software

The target users of this application are the Housing Associations. This software is used to assess the financial viability of the housing project before bidding for it to the Housing Corporation. This application has Accounts as part of it, which deals with the financial process. The appraisal stage of the project evaluates the project before its inception where the management phase looks after the cash flow, profit, and loss etc. on a long-term basis.

There is a reporting component for the application that is developed using excel automation. All communication to the database server happens through the Web Service Layer.

This is having a smart client architecture with a centralized database server (SQL Server 2000) and features zero touch deployment.

Roles & Responsibilities:

Involved in the complete life cycle (SDLC) of the product.

Initially worked on UML diagrams to write state flow diagrams, class diagrams for the specific scenarios of application using StarUML & MS Visio.

Worked in the analysis, design, and development of various sections of the application in adherence to the application framework and OOP principles, refactoring etc.

To upgrade existing customer databases to use into our application, I wrote an ADO.Net component to pull the data from MS ACCESS to SQL server.

Wrote the entire business logic for the set of budget forecasting rule engine calculations.

Used NUnit framework to write unit tests for the business layer.

Used ANTS memory & performance profiler to investigate memory leaks as part of the process to speed up the application and improve overall performance.

Used the concepts of database connection pooling, data caching for loading business entities.
Worked on the design of the reporting framework using MS Excel automation and reporting front end.
Involved in the preparation of the Technical Documentation of the product.

Tech: C#.NET, WinForms, UI application blocks, .NET Web service (smart client architecture, works with intelligent entities), WinXP, Win2000.

Project: Questionmark Web Integration Service (Perception 360)

It is an intranet-based web application to provide customized "Employee Review Assessment".

Roles & Responsibilities:

Played an active role in GUI design using web forms & controls.

Involved in writing of stored procedures.

Involved in creation of user controls.

Worked on business logic layer & role-based security features of the application.

Involved in unit testing.

Deployment of web pages in Internet Information Server (IIS) at the hosting server.

Tech: ASP.NET, C#, SQL Server 2000, Windows XP, Infragistics (v4), XML, CSS, Java Script, IE, Netscape, IIS 5.0, WinXP, Win2000, XML, COM component service.