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Strong hands-on experience with React, TypeScript, and Playwright, building modern, testable, and high-performance front-end applications with automated end-to-end testing integrated into CI/CD pipelines.

AI-Enhanced Senior Web Engineer

Microsoft, AWS, Power BI Certified | .NET/Cloud/AI Specialist | Full-Stack Architect

PROFESSIONAL SUMMARY

Results-driven **Principal Web Engineer** with **20+ years** of experience building enterprise applications, now leveraging AI to deliver 30-40% faster development cycles through:

- AI-assisted code generation (ChatGPT, GitHub Copilot, DeepSeek)
- Automated testing/debugging workflows
- Intelligent documentation systems

KEY ACHIEVEMENTS

AI/Technical Leadership

- Reduced debugging time by 35% through AI-powered error analysis and StackOverflow integration
- Automated 25% of boilerplate code (EF Core models, Angular services) using ChatGPT templates
- Migrated legacy ColdFusion → .NET Core with 98% accuracy using AI-assisted code conversion

TECHNICAL SKILLS

AI/Productivity:

ChatGPT, DeepSeek, GitHub Copilot, AI Code Review

Backend:

.NET 8, ASP.NET Core, C#, Python, Microservices, EDI/X12

Frontend:

Angular 17, React.js, Blazor, TypeScript, Playwright

Cloud:

Azure (Functions, AKS, SQL), AWS (Lambda, S3)

DevOps:

Docker, Kubernetes, GitHub Actions, Azure DevOps

Databases:

SQL Server, Tableau, Power BI (12+ years – dashboards, visualizations, KPI reporting), Oracle, MySQL, MongoDB, Cosmos DB, SSIS

Professional Summary

Results-driven Web Developer with over 20 years of experience in architecting, developing, and maintaining high-performance web applications. Specialized in Microsoft technologies (.NET, ASP.NET Core, MVC, Razor, Blazor), cloud platforms (Azure, AWS), modern front-end frameworks (Angular, React), and healthcare integration using EDI/X12. Skilled in the full software development lifecycle (SDLC), Agile methodologies, and DevOps practices.



Recently enhanced development velocity by leveraging AI-assisted engineering using ChatGPT, enabling faster prototyping, optimized code generation, intelligent debugging, and streamlined documentation. Proven ability to translate complex business needs into secure, scalable, and maintainable solutions, now accelerated through the integration of generative AI into daily development workflows.

Summary of Qualifications

- .Net& .Net Core, AI-assisted engineering using ChatGPT
- Azure , AWS, Power BI Certified
- SQL Server, Oracle, MongoDB
- **MVC, Blazor, Razor**
- **Angular, React**
- **Python, Fast API**
- **Test automation with Python, Playwright and Selenium**
- **ColdFusion, X12, EDI**

Technical Skills

.NET Technologies: Angular,AngularJS,React, C#, VB.Net, ASP.NET, ADO.NET, Web Services, Microservices, Design Pattern, .NET Framework, ADO.NET, Azure, LINQ, WPF, WCF, MVC (3.0,4.0,5, CORE), Razor, Blazor, Python, RabbitMQ,Office.js,Practices Test Driven Development, UML, OOPS, TDD and BDD., BIDS, DevOps, SSIS, SSRS, deploys secure application on our private Azure cloud with Azure services.

Web & Scripting Technologies: ASP.NET, Web Services, Web Forms, Win Forms, Razor Pages, Blazor, AJAX, AJAX toolkit, HTML/ DHTML, HTML 5, XHTML, XML, XSLT, XAML, JavaScript, CSS, IIS 5.0/6.0/7, Expression Blend 3.0/4, Angular 1-17, Angular JS, React, Bootstrap, Node JS

Database: SQL Server MySQL, Oracle, Entity Framework, LINQ, Azure SQL database, MongoDB, Cosmos DB


- Tools: MS Visio, MS Project Management, MS Office, SSIS, SSRS, Crystal reports, Angular, React, Redux, N-Unit, Re Sharper,IBM InfosphereEDI tools (X12 parser for EDI 837, 835, 834), DataStage, SQL Developer, SQL management, Informatica, Power BI (12+ years – dashboards, visualizations, KPI reporting), Tableau, Fast API,Python, Playwright and Selenium

Software / IDE: Microsoft Visual Studio, DevOps, SVN, GIT

OS/Methodologies: Windows, Mac OS, UNIX, MS DOS

Other Languages: C, C++, Java, Python 3, Flask

LinkedIn: <https://www.linkedin.com/in/khairul-kabir-23994b2/>

 **Power BI Experience:** Over 12 years of hands-on expertise using Power BI to create interactive dashboards, KPI reports, and data visualizations. Enabled business teams to make data-driven decisions by integrating Power BI with SQL Server, Oracle, and cloud data sources. Experienced in implementing row-level security, scheduled refresh, Power Query, DAX measures, and publishing reports to Power BI Service.

Education

Education: B. Sc. Engineering (4 years), from BUET

Certifications

1. Microsoft Certified: Azure Developer Associates



2. AWS Certified Developer - Associate
3. Microsoft Certified: Power BI Data Analyst Associate

Professional Experience:

Lead Application Programmer

Nov 2013 – Apr 21 & Jan 2024 to Till date

MIS, CMO, MONTEFIORE CARE MANAGEMENT, Yonkers, NY

Responsibilities

- Collaborated with the **New York State Department of Health** and Montefiore to develop and maintain the **BAHN Health Home web application**, continuously enhancing features for Medicaid programs. ([BAHN NY State](#), [Montefiore BAHN](#))
- Worked closely with **Business Analysts** to analyze user stories, estimate tasks, and transform business requirements into technical specifications.
- **Full-Stack Development** experience in:
 - **.NET Framework/Core**: ASP.NET MVC 5, ASP.NET Core (Razor Pages), C#, VB.NET
 - **Frontend**: HTML5, CSS3, Bootstrap, JavaScript, TypeScript
 - **Modern JavaScript Frameworks**: AngularJS, Angular 2–15, and React.js
- Developed **Single Page Applications (SPA)** using:
 - **Angular**: Reactive Forms, Router Module, custom directives, service-based architecture
 - **React.js**: Functional components, Hooks, Redux, lazy loading, and performance optimization (e.g., `useMemo`, `React.memo`, `useCallback`)
- **AWS**:
 - Designed and deployed serverless REST APIs using AWS Lambda and API Gateway to reduce infrastructure costs and improve scalability for event-driven workloads.
 - Implemented AWS S3 for secure, scalable storage of application assets, enabling seamless integration with .NET Core applications for document and media management.
 - Configured and maintained EC2 instances behind Elastic Load Balancers to host high-availability enterprise applications with automated scaling and blue-green deployments.
 - Managed IAM roles and policies to enforce principle of least privilege, integrating AWS security best practices into application deployments to ensure compliance and data protection.
- **VB6 Programming**:
 - Managed and maintained existing Visual Basic 6.0 applications to ensure uninterrupted business operations and system stability.
 - Performed bug fixes, troubleshooting, and performance tuning for VB6 modules critical to legacy workflows.
 - Supported VB6 components integrated with web services, enabling seamless data exchange between legacy VB6 code and modern .NET APIs.
 - Managed IAM roles and policies to enforce principle of least privilege, integrating AWS security best practices into application deployments to ensure compliance and data protection.
 - Provided production support for business logic implemented in VB6, including code reviews and implementing minor enhancements as required.
- Integrated **RESTful APIs** and third-party services using **Axios**, **Fetch**, and Angular services for real-time updates and interactive UIs.

- Implemented UI features such as form validation, dynamic table rendering, filtering, and sorting using **JavaScript** and **TypeScript**.
- Built custom **Office Add-ins** with Office.js for **Excel** and **Outlook**, enabling:
 - Dynamic task panes
 - Custom ribbon buttons
 - Real-time data fetching via REST APIs
- Extensive experience with **Healthcare EDI (ANSI X12)** processing:
 - Parsed and generated 834 (Enrolment), 835 (Claim Payment), and 837 (Claim) files.
 - Automated transformation of parsed data into standardized EDI formats for HR and billing systems.
- React.js:
 - Developed responsive and dynamic user interfaces using React.js, ensuring cross-browser compatibility and mobile-first design principles.
 - Implemented reusable components and state management (using Redux/Context API) to streamline UI development and enhance maintainability.
 - Optimized frontend performance through code-splitting, lazy loading, and efficient rendering techniques, improving load times and user experience.
- Database and backend technologies:
 - **SQL Server**: Data analysis, stored procedures, KPI dashboards, ETL workflows
 - **MongoDB**: Schema design, index optimization, aggregation pipelines, real-time processing using Change Streams and MongoDB Atlas
 - Integrated structured and semi-structured data (JSON, XML, flat files) into relational and NoSQL stores
- Tableau Development Experience:
 - Designed and developed interactive dashboards and visualizations using Tableau Desktop, enabling data-driven decision-making across finance, operations, and healthcare teams.
 - Integrated Tableau with various data sources including SQL Server, Excel, and cloud databases, using custom SQL queries, joins, and calculated fields for real-time analytics.
 - Optimized Tableau dashboards for performance by implementing filters, parameters, data extracts, and aggregations to reduce load times and enhance usability.
 - Published and maintained reports on Tableau Server, managing user permissions, data refresh schedules, and access-level security for different business units.
- Oracle PL/SQL:
 - **Designed and optimized complex PL/SQL** stored procedures, packages, and triggers **to support healthcare data workflows, including enrollment, claims, and billing processes.**
 - **Implemented** data migration and transformation logic **using Oracle SQL*Loader and custom PL/SQL scripts for onboarding external partner datasets into Montefiore systems.**
 - **Developed efficient** cursor-based batch jobs **for processing large datasets with exception handling, performance tuning (using EXPLAIN PLAN, indexing), and rollback-safe error recovery.**
 - **Created PL/SQL API interfaces for integration with external systems and front-end applications, enabling seamless retrieval and update of healthcare-related data from Oracle backends.**
- CI/CD Depth:
 - Explicitly called out tools (Azure DevOps/GitHub Actions, ARM/Terraform, AKS).
 - Quantified outcomes: "reduced release cycles from days to hours," "zero-downtime releases."
- TDD Implementation Highlights



- Full-Cycle TDD Adoption
Engineered mission-critical features using red-green-refactor methodology across .NET Core microservices and Angular SPAs, achieving 85%+ code coverage with NUnit/xUnit (backend) and Jasmine/Karma (frontend).
- AI-Accelerated Test Generation
 - Leveraged GitHub Copilot & ChatGPT to auto-generate unit/integration test stubs, reducing test scaffolding time by 35% while maintaining compliance with FDA/healthcare regulatory standards.
- Used **AutoMapper** for object-to-object mapping and **Dependency Injection** for service-layer architecture.
- Developed reusable **AngularJS directives**, and routing strategies for SPA.
- Utilized **LINQ-to-JS** for manipulating JSON objects and dynamically rendering frontend views.
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Software Developer (Contractor)

May 3, 2021- Dec 29, 2023

Con Ed

Projects: Working as a team member (contractor) at Orange & Rockland Utility of Con Edition.

Contribution:

- Key contributor supporting legacy modernization initiatives to replace aging mainframe systems with modern variations as well as updating legacy applications to replace their dependency on mainframe components. Updated a material recycling application so that it no longer used mainframe DB2 z/OS instead using Sql Server. Substituted web API's in place of DB2 stored procedures and queries for a streetlight portal application and a revenue protection application. Used Sql Server Information Services (SSIS) to update ETL programs to use web API in place of Sql queries. Developed acumen using web API tools such as Postman. Provided knowledge transfer session to software support staff.
- The Municipal Streetlight Portal (MSP) is an internet/intranet application that allows town officials, town administrators, and police departments within municipalities in Orange and Rockland's service territory to view their inventory and make requests upon it. These individuals can view their streetlight inventory, request a new streetlight, upgrade a light fixture, remove a streetlight, and transfer ownership from the Company to their municipality (NY only). They also can report streetlight outages.
- The application is accessible to the public via a line on the ORU.COM website. For access to the application, potential users must complete a registration process.
- The application is also available on the intranet for O&R employees who support the system and who work with the municipalities.

SR. APPLICATION Programmer

Nov 2012- Nov 2013

NYCSCA (NY CITY SCHOOL CONSTRUCTION AUTHORITY), NY City

Projects: Working as a team member to Developing a SMS (space management system) for NYC school buildings Web and mobile (Android) application.

- Analyses and reengineering current AFS application to a new robust space management system.



- Loosely coupled web application with Asp.Net framework 4.0 and WCF with entity framework, back-ends Oracle 11.
- Use Entity Framework for mapping domain model with SQL database, Consumed ADO.NET Entity Framework for Entity Data Model, Entities, Relationship Mapping, Querying Data and Proficient knowledge and experience of LINQ, Used Ajax control tool kit to develop rich user interface experience. Responsible for developing the Data Access Layer (Model) using ADO.NET Entity Framework Model, LINQ to Entities, and C#.
- Maintained and developed stored procedures in MS SQL Server 2005 environment. Developed code using Microsoft Visual SourceSafe in a team development environment. Gathered statistics, prepared, and wrote reports on the status of the programming process for discussion with management and team members.
- Experience to identifies issues and refining requirements, project schedule management, meeting facilitation, implementation and delivery management etc, ability to effectively track & communicate the status of multiple projects, and schedules through various channels of communication
- Involved in periodic archiving and storage of the source code for disaster recovery, Designed, stack, understanding of web servers, web server/application configuration, web-farm load balancing operation s including SSL off-loading, SSL acceleration and content caching and disaster recovery topology. link back to on prem through a secure VPN connection for disaster Recovery.
- Utilized TFS as a Source control for checking the code, branching and merging. Developed the reusable framework for the application using the ASP.NET MVC Framework 4.0, Used Team Foundation Server (TFS) for version controlling and assisted in documentation and creating Helpfiles.
- Worked on Administration functions including deploying code solutions, PowerShell scripts, server optimization, server management, term store maintenance, taxonomy, content deployment, Worked on PowerShell scripts for IIS website creation for deployment into various Environments.
- A highly motivated and ambitious individual able to give timely and accurate advice, guidance, support and training to team members and individuals. Praise team members and creates a positive working environment.
- Used Power BI (12+ years – dashboards, visualizations, KPI reporting) to create various reports.
- Compiled, documented for feasibility and requirements of application security design feature for internal project.
- Ensured adherence to the Agile and SDLC development processes as well as compliance to information technology standards.
- Making an Android mobile application for SCA to record school survey and upload/sync it to SMS (Space management system) by rest web service.
- **Environment: Angular, Microsoft .NET Framework 4.8 & core, C#, ASP.NET, Android, Mono/xamarin, WCF, Rest Web Service, Oracle 11g, DB2, JavaScript, jQuery, LINQ, SQL Developer, Oracle PLSql, SSRS for reports. Entity Framework (ORM), TDD and BDD.**

SENIOR Application Programmer

Aug 2011 – Nov 2012

**ISD AD FINANCIAL SYSTEMS - TAX AND TREASURY
WAL-MART INC. BENTONVILLE, AR**

- Involved in Design & Development of Tax and Treasury related system.
- SAP integration.
- Import data from AS400 for internal client server applications with SSIS
- Fixing Tax and Treasury related system issues reported my user.
- Used Model MVC servlets/java beans in the backend/Entity Framework
- Collaborated with project stakeholders throughout SDLC phases to ensure timely delivery of specified business solutions as per the Agile Scrum Methodology.



- Design and developed SSRS necessary reports, and give user training to use the new reports and updated features.
- Design and developed a WPF windows application for Tax and Treasury department.
- Converting VB6 application, and use VB6 business com components with com callable wrapper (CCW) till rewrite business layer.

Environment: Microsoft .NET Framework 4.0, MVC3, C#, WPF, SQL Server 2008, Informix, SSIS, SSRS, VSTO, jQuery, JSON, JavaScript, Microsoft Team Foundation Server, Microsoft Visio, VB 6, CCW

SR. SOFTWARE DEVELOPER

03/1/2011-07/07/2011

BANK OF AMERICA, SAN JOSE

Projects: CLAIMS, MI CLAIMS.

- Lead a team to development and maintenance user requested applications.
- Involved in Design & Development of all user change request implementation.
- Create DTS using SSIS to import data from BOA legacy Claims database to new CLAIMS database.
- Create DTS using SSIS to reverse data from new CLAIMS database to BOA legacy Claims database for reporting purpose.
- Use VSTO to create Word and excel documents for different report from new CLAIM system.
- Use share point server 2010 to manage development related documents.
- Fixing existing bugs in new CLAIMS system.
- Create reports for CLAIMS system using SSRS and provide users training to use those efficiently.

Environment: Microsoft .NET Framework 4.0, MVC2, C#, SQL Server 2008, SSIS, SSRS, VB Script, VSTO, jQuery, JSON, JavaScript, Toad, Microsoft Team Foundation Server, Microsoft Visio. Entity Framework (ORM).

SR. APPLICATION DEVELOPER

08/31/2009-2/28/2011

WELLS FARGO BANK. SAN FRANCISCO, CA

Projects: Compromised Customer Information Mgmt (CCI)

Regional Resource Planning (RRP)

ATM Hardware Reporting

ETL Process Maintenance feed from to Host (Main Frame)

- Involved in Design & Development of all new reports using ASP.NET, JavaScript in Presentation layer, and C# in Business Layer and MS-SQL Server in Database layer.
- Assisted in creating a comprehensive, consistent, and sustainable SDM. Divided and distributed all processes among five SDLC phases. Also, designed and implemented a MVC/C# web-based tracking system for auditing of policies.
- Designed the Object-Oriented Design and Entity Relationship Model using Visio 2003.
- Designed the database for MPP and CCI Mail merge enhancements using Visio 2003.
- Design a WPF windows application and maintain some WPF and some WinForms windows application.
- Used ASP.NET Grid View and ChartFX Controls to display data in a customized format in the ASP.NET web pages. Enhanced existing reports basing on the new business requirements.
- Converted ATM Hardware reporting written in SQL Server Reporting Services to custom application.
- Enhanced Compromised Customer Information Mgmt. (CCI) to provide the Mail merge feature.
- Successfully implemented Managing Premier Performance Online
- Worked on exporting the reports to Word, excel and PDF formats.



- Worked closely with the testing team during the QA activities.
- Used XML PDF for report conversion to PDF format.
- Create reports for different application using SSRS and provide users training to use those reports efficiently and timely.
- Use VSTO to create Word and excel documents for reports and mailing letters to customer.
- Use share point server 2007 to create workflow and to manage development related documents.
- Developed Stored Procedures in MS-SQL Server 2005. Also involved in the performance optimization of existing database objects.
- ETL Process Maintenance feed (daily, weekly, and monthly) from to Host to Oracle/SQL using NDM and Informatica and SSIS.
- Rewrite VB6 application to .Net one, and for sometime use CCW, to use business logic COM components with callable wrapper.

Environment:Microsoft .NET Framework 2.0, MVC, ASP.NET, C#, WPF, WCF, WinForms, CCW, VB.Net, Microsoft SQL Server 2005/2008, Oracle 10g, DB2, SSIS, SSRS, VB Script, jQuery, VSTO, JSON, JavaScript, Toad, NDM, Informatica, Chart FX, XMLPDF, XML SPY (Altova), Microsoft Visual Studio 2005/2008/2010, SQL Server Reporting Services, Microsoft Team Foundation Server, Microsoft Visio 2003.

SR. SOFTWARE ENGINEER

03/31/2008-04/03/2009

IKONISYS INC. NEW HAVEN, CT

- Developed an application which will upgrade data and database from Ikonisys20 version database to Ikonisys21 with converting related images using SSIS, C# and WinForms.
- Worked as a team member to enhance and supporting Iconises Image Viewer.
- Did routine performance tuning slow queries.
- Code new objects (programs) to meet the requirements
- Design transactional and dimension databases to meet the requirements.
- Developed SQL 2005 reports as per user requirements.
- Did requirements gather and analysis and system design with Altova UModel (UML).
- Developed necessary Data Transformations packages (SSIS).
- Created a database access layer component. This made application independent from backend database. Create necessary reports using SQL 2005 Reporting Service for researchers and trained then to use it.
- Developed Biology "Sample Management System" application.
- Use VSTO to create Word documents for reports.
- Use share point server 2007 to manage development related documents.
- In all development and maintenance work, I have to strictly follow FDA rules and regulation

Environment:C#, Visual Studio 2008, Visual Studio 2005, ASP.Net 2.0, SharePoint, JavaScript, WinForms, Webform, Team Foundation Server, VSTO, Remoting, Design Patterns, Agile Methodology, and Test-Driven Development, NUnit Unit Testing SQL Server, XML SPY (Altova), NHibernate, SSIS, Analysis Service, UML (UModel), SVN.

SENIOR DEVELOPER (CONSULTANT)

08/2007 - 03/2008

**STATE OF CONNECTICUT, JUDICIAL BRANCH – CSSD
WETHERSFIELD, CT**

- Developed a new CMIS (Case Management Information Services) Web Application, GUI, Web Service and Database and WinForms application to administrate the application. (Convert ASP classic application to ASP.Net application)
- Used active directory to authenticate application user.
- Create SSIS to import data from Host system



- Optimize the existing SQL queries too faster search.

Environment:VB.Net, Visual Studio 2005, ASP.Net 2.0, SharePoint, JavaScript, AJAX, WinForms, Webform, Web Service, Team Foundation Server, Design Patterns, NUnit Unit Testing, SQL Server, Oracle, SSIS,, Altova UModel (UML). MS Source Safe.

SENIOR APPLICATION DEVELOPER(CONSULTANT, TEAM LEAD) 01/2007 - 08/2007
WELLMARK BLUE CROSS BLUE SHIELD,DES MOINES, IA

- Developed web application for new pool(5th) for under 65 age group BCBS customers (Convert ASP classic application to ASP.Net application with C#, and use COM+ with wrapper class)
- Upgrade some middle tire business logic COM+ component to C# component.
- Developed Business Rules, Web Services (middle tire)
- Use SharePoint site for development activities.
- Created necessary SQL server objects and store procedures and use SSIS package to transform data.
- Helped other team members on critical issues.

Environment:C#, ASP.Net 2.0, Visual Studio 2005, SharePoint, Webform. Web Service, Design Patterns, Team Foundation Server, VSTO, JavaScript, AJAX, Unit Testing, SQL Server 2005/2000, Business Objects, PL/SQL, SSIS, UML (Visio), Team Foundation Server, Main Frame, CRM, SharePoint, VB, Com+.

SENIOR APPLICATION DEVELOPER (CONSULTANT) 12/2005-12/2006
STREAMLINED SALES TAX PROJECT:
STATE OF IOWA DEPARTMENT OF REVENUE DES MOINES, IA

This project is to handle Streamlined Sales Tax for Iowa. 21st century sales tax multi state modernization program with XML and related technology. It's a multi-state funded project called SSTP <http://www.streamlinedsalestax.org/> and they set standards and XSDs. Every participating state has to follow their guideline to developed 21 century Streamlined Sales Tax system, and in Iowa we are implementing that.

- Developed two new application needed for Iowa Revenue Department to manage tax data and maintain existing applications.
- Requirements gathering and analysis; developed Data Transformations packages (DTS and SSIS) to transform data from flat file to SQL server and SQL Server to Host.
- Developed a .Net Web Services Streamlined Sales Tax for Iowa. (<https://web03.idr.iowa.gov/SSTPIAWSDev>)
- Developed necessary reports with SQL reporting service as per requirements.
- Managed releases, through development, and production servers.
- Used Active Directory and LDAP to authenticate user.
- Design and develop and administrate Streamlined Sales Tax Iowa portal
- Create reports for different application using SSRS and provide users training to use those reports.
- Convert some of the Classic ASP Application and ActiveX component to .Net application and component.

Environment:VB.Net, C#, ASP.Net, Visual Studio 2005, SharePoint, Webform. Web Service, JavaScript, AJAX, Win Form, Team Foundation Server, Design Patterns, VSTO, Altova UModel (UML) & XML Spy. Unit Testing, SQL Server 2005/2000, Oracle, Business Objects, PL/SQL, UML (Visio), BizTalk, MS Source Safe, Main Frame, VB, Classic ASP. ActiveX, COM, COM +, TSQL, SQL Reporting service.

* Some of the new development are done by C# and all VB application and ASP website are upgraded by VB.NET.

SENIOR DEVELOPER 04/2005 - 12/2005



ITSD, County of Fresno, CA

(Consultant) This project to develop intra net Child/Family Welfare Information System application for Children Family Health department to manage family HELP Check Issuance System. The CA counties are using a IBM Main-Frame system called CASE-DATA, that system will discontinue from Jan 2006, Fresno County decide to develop their own intranet application, and this is what he developed. Which interact with Oracle Financial (to manage finance) and People Soft to manage checks.

- Requirements gathering and analysis.
- Designed detailed system architecture and design and development document with Visio and UML.
- Developed a .net intranet web application (GUI, Windows and Web services, related database) with all and more functionality than CASE DATA system.
- Designed and developed web services to interface with People Soft.
- Developed necessary reports with Crystal reports as per requirements.
- Developed some utilities classes/ services such as validating user in Active Directory, get city and state from zip codes, and get corrected address (Which get correct address from USPS online).
- Coordinated tester and testing and manages releases, through development, testing and integration, and pre-production servers.

Environment:“VB.Net, C#, ASP.Net, JavaScript, AJAX, Visual Studio 2005, BizTalk, Web Service, Win Form, Unit Testing, Oracle, Business Objects, PL/SQL, ActiveX, UML (Visio), MS Source Safe, TSQL, Crystal Report.

* All developments are with VB.Net except middleware components are written with C#.

SENIOR .NET DEVELOPER (CONSULTANT)

08/2004 - 01/2005

GMAC INSURANCE WINSTON SALEM, NC

Selected Project: Task Management web application, by which manager can monitor and manage the tasks assigned to the employee and also employee can monitor and edit there own tasks with automated email to employee when assign a new task to them and email to manager when status changes of any task. It’s an excellence piece of work, cutting edge, automated, and modern application.

Environment:C#, Visual Studio 2003, SQL Server 2000, MS Source Safe, TSQL, ASP.Net, JavaScript, Ado, Unit Testing, Main Frame.

SENIOR DEVELOPER

04/2004 - 08/2004

6. SPRINT OVERLAND PARK, KS

(Consultant) Selected Project: Development of RPM (Robust Provisioning Mechanization for Time Warner's Digital Phone) to support workflow and order management for Wireless Provisioning: Disconnects, National Platform, Mobile Handoffs, Cell Sites, DS3. The current application were written in Cold Fusion, some of the application code were available, and new development have to be had all the capabilities of old application and would have some new feature.

Environment:C#, Visual Studio 2003, SQL Server 2000, MS Source Safe, TSQL, ASP.Net, JavaScript, Unit Testing, Ado, Cold Fusion

SENIOR DEVELOPER

06/2003 - 03/2004

SYNGENTA INC. GREENSBORO, NC

(Consultant) Project: Syngenta Citrus Scouting Tools Project.

Description: Syngenta Citrus Scouting Tools is a complete solution for citrus grower who works with Syngenta to monitor their Citrus Mites Infestation. The application has a PDA application for the user to data entry at the field on a pocket PC which stores the data in a disconnected SQLCE 2002 encrypted database secured with the particular user name and his/her password, when the PDA is get connected with internet it’s synchronize its data with the SQL 2000



server through secured web services, and replicated to a Oracle production server. Then users can log in to the web (.net web application) and analyse and produce reports for the best production of citrus.

Test Website: <http://dev.farmassist.com:83/default.aspx>.

Environment: C#, Visual Studio 2003, SQL Server 2000, MS Source Safe, TSQL, ASP.Net, JavaScript, Ado, Compact Framework.

SENIOR WEB DEVELOPER

08/2000 - 08/2002

SPAR INFOTECH TARRYTOWN, NY

Selected project: SPAR E-Training (a web base training system, with training content management, online test and incentive management). First Version with Classic ASP, and lots of ActiveX control. Second version with ASP.NET. Major Client Nextel, CompUSA, GM, and K-Mart

Environment: C#, Visual Studio SQL Server 2000, MS Access, FoxPro, MS Source Safe, TSQL, ASP. ASP.Net, JavaScript, VB 6, Unit Testing, COM+, ActiveX, Crystal Report, Ado.

1.1 Recent Role – React, TypeScript & Playwright Highlights

Designed and developed modern UI components using React and TypeScript, implementing reusable component architecture, hooks, and state management for scalable enterprise applications.

Implemented end-to-end test automation using Playwright, validating critical user flows, regression scenarios, and cross-browser behavior, significantly reducing production defects.

Integrated Playwright test suites into CI/CD pipelines, enabling automated UI testing alongside backend validations and accelerating deployment cycles.

1.2 Additional Expertise – WPF (Windows Presentation Foundation)

Designed and developed rich desktop applications using WPF (Windows Presentation Foundation), implementing MVVM architecture, data binding, commands, styles, and resource dictionaries for clean separation of concerns.

Built responsive and user-friendly WPF UIs using XAML, custom controls, templates, and animations, improving usability and maintainability of enterprise desktop solutions.

Integrated WPF applications with backend services and databases using .NET, REST APIs, Entity Framework, and asynchronous programming patterns, ensuring high performance and scalability.