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### Professional History:

- **Over 11+ years of IT experience** in all phases of **Software Development Life Cycle (SDLC)** such as **planning, analysis, design, implementation, testing and maintenance** of **Windows Based** and **N-tier Architectures**.
- Excellent programming skills coupled with experience of designing and developing software applications with **C# (4.0/3.5/3.0/2.0).NET Framework (4.5/4.0/3.5/3.0/2.0/1.x), ASP.NET, ADO.NET, LINQ, WCF, WPF, Web Services, VC++.Net, VC6.0, VB6.0 Windows SDK (Win32 APIs), STL, TCP/IP Socket programming.**
- Excellent UI development skills **JavaScripts, JQUERY, CSS, HTML, Node JS, Web APIs, Bootstrap, JSON**
- Hands on experience in design using **Object Oriented Programming Principles (OOPs)** like **Encapsulation, Inheritance, Polymorphism, Abstraction** and Design patterns like **Abstract factory, Singleton, MVVM, ASP.NET MVC.**
- **Expertise in Windows based applications working with WinForms, Class Library (DLLs), WPF with MVVM pattern, COM, MFC and Win32 applications.**
- Used **Language-Integrated Query (LINQ)** query to retrieve data from different data sources (**LINQ to XML, and LINQ to SQL**).
- Good experience in **Web based (Web Forms, ASP.Net, MVC, MVC5)** application development.
- Experience in **developing WCF Services** to expose useful functionality to web users through **SOAP, describing them using WSDL, registering them using UDDI** for easy availability to potential users and **consuming** them.
- Experienced with **Microsoft Application** building blocks for .Net projects (**Data Access, Exception Handling, Caching and Configuration Management Application Blocks**).
- Designed large numbers of **WPF Forms, Custom Controls** and **User Controls** using **XAML** language for UI.
- Created rich and interactive UI using WPF and WinForms.
- Experienced in a fast-paced **Agile Development** Environment including **SCRUM, Test-Driven Development (TDD).**
- Also have experience with Waterfall and prototype model projects
- Worked extensively with **ADO.NET** objects such as **Data Adapter, Dataset, and Data Reader** to interact with databases like **SQL Server 2012/2008/2005, Oracle 8/9i.**
- Worked in database related work primarily creating complex **stored procedure, Views, Triggers, Functions, using PL/SQL, and T-SQL.**
- Extensive working experience in unit testing framework – **Mock frameworks and TDD, Integration Testing, MS Unit Tests, NUnit**
- Experienced in Configuration Management, build schedule using **Team Foundation Server 2010/2008, IBM Rational CC/CQ, and SVN.**
- Excellent knowledge working on GitHub, branching, issues and Kanban.
- Experience on building specification-based application, build CEN standard compliance Application, and SEBI (Security and Exchange board of India) specified guidelines-based application.
- Excellent **Written, Analytical Skills, Verbal Communication** skills with a customer service-oriented attitude and have also worked with the offshore team as **onsite coordinator** to provide the update on a daily basis.
- Created **UML** Diagrams including Use Cases, Activity Charts and Data Flow Diagrams using MS-Visio thus defining the Business Process Model and Data Process Model.

### Academic Qualifications:

- Master's Degree in Computer Applications (MCA Jun 2005), RGPV University Bhopal MP, India.
- BSc in Mathematics (Jun 2002) BarakatUllah University Bhopal MP India

## Technical Skills:

<b>Programming Languages</b>	C#.Net(4.5/4.0/3.5/3.0) ,VC++, C++, VB,VC6.0, C, T-Sql, PL/SQL, Core Java
<b>Web Technologies</b>	ASP.NET, HTML, HTML5, Javascript, JQuery, CSS, Bootstrap, Web API, JSON
<b>Xml Technologies</b>	XAML, XML
<b>UI Technologies</b>	WPF, Winforms, MFC, Win32 Application, MVVM
<b>IDE Tools</b>	Visual Studio 2015/12/10/08/05, Sql Server Management Studio2008/2012, Expression Blend (4.0/3.0/2.0)
<b>.Net Frameworks</b>	.Net Framework 4.5/4.0/3.5/3.0/2.0
<b>Databases</b>	MS SQL SERVER 2012/2008/2005, MSAccess 2010/2007/2003,Oracle 9i/8i
<b>Modeling Tools</b>	UML
<b>Version Control Tools</b>	<b>GitHub</b> , Team Foundation Server(2008),PVCS Version Manager, Surround Seapine, Visual SourceSafe(2005), SVN, IBM Rational CC/CQ,
<b>Middleware</b>	Web API, WCF REST/SOAP, ADO.NET 4.0/3.5/3.0/2.0,MSMQ, Web Services
<b>Servers</b>	Windows Server 2008/2003/NT, Microsoft IIS
<b>IDE</b>	MS Visual Studio 2013/2012/2010/2008, MS Express Blend 4.0,VB6.0, Visual Studio Installer
<b>Testing Tools</b>	<b>Selenium Web Driver for C#.Net</b> , MSUnit, NUnit, RDTTool

## Professional Experience:

### Senior .Net Developer

#### CVS Caremark Bloomington MN /Cognizant Technology US

#### Novologix Inc Project

#### Jan 2017 to till date

**Description:** NovoLogix, Inc. is a healthcare technology company that develops Software-as-a-Service (SaaS) based solutions for the management of at-home and in-office medical pharmacy. The company offers SaaS based authorization and claims software for managing the authorization process between healthcare providers and health plans; claims technology for processing injectables, infusibles, and other pharmaceuticals paid for under the medical benefit; and a tool for submitting patient pathway information to health plans prior to services being performed. It offers its solutions for various clients, including commercial health plans, government plans, specialty pharmacies, prescription benefit managers, network managers, and healthcare providers in the United States.

### Roles and Responsibility

#### **Project 1 – Data Purge and Mock Eligibility Services:** Role Software analyst, Design, Development

Removing PHI Data from lower environment and restricting member PHI data to get entered in lower Test and development environment

There are two parts of this project 1- Data Purging- written SQL scripts to delete the existing member PHI data and schedule check to delete members PHI data if get entered from production to lower environment

2 – Mock Eligibility Response 271 – Created WCF webservises to mock the request/response 270/271 as per the client standard. Created templates to mock the 271 response like client eligibility service.

### **Project 2 – EDI Parser and Generation:** Role Software analyst, Design, Development

By using good understanding on US Healthcare Domain and X12 Standards the below activities are carried out:

two parts of this project.

I. EDI Parsing - This parser part is used to insert data from the EDI file into database of various healthcare EDI transactions like 837,835,834,270-271,276-277,278 for both step up and step down mechanism type.

II. EDI Generation - This generation part is used to generate EDI file for respective transactions for both step up and step down mechanism type.

### **Project 3 –NLX Web Admin Portal**

Role Software Analyst, Design, Development

Worked on creating Letter Service it is a WCF SOAP web service created for connection with Decision table and Letter Template and Keyword Database.

Letter Service is responsible for storing the uploaded letter template in DB, also string the letter trigger condition in decision rule table and when from NLX Web Application an ePA Trigger conditions generate auto or manual letter, Letter service will be responsible for retrieving and generating letter with all Keyword replaced with relevant data from UI fields

### **Project 4 – NLX Web Admin Portal**

**Screen Template Admin** – Role Software Analyst, Design, Development

NLX Web Application has multiple clients, each client and the customize screen (Template/Operation/Fields)

Automation on deploying as per client requirement became easier with Admin tool.

Based on the User Role UDF and Domain fields accessibility get defined.

### **Project 5 – NLX Web Admin Portal**

**Workflow Admin – Role as automation test lead developer**

**Projects worked on Test Development ePA an Claims Gold Carding, Manual Stub Eligibility service, Client Letter stacking Project, RUC and NCPDP Data validation, Validation of RUC space file format and total quantity and pricing validation. Client Workflow automation validation –**

- Responsible for creating development testcases and automation program for development testing.
- coordinating with business to understand the requirement
- coordinating and helping QA team for their quality testing
- created and enhanced automation program using Selenium WebDriver for C#.Net.
- Extensively used basichttp, nettcp, wshttp bindings for different endpoints in WCF services

Practiced with WaterFall Model and Agile methodology, Participated in SCRUM meetings of the project implemented in agile project management methodology. Developed as sprint deliverables.

Used C#.Net **ASP.NET and MVC** to add functionality to individual pages such that to accept input from the page request, invoke the requested actions on the mode.

Worked on **SQL Server Database** by **creating required tables, writing queries, stored procedures and scripts** for different type of operation like updating data in the database, retrieving data etc.

- **Environment:** C#.Net, WinForms, XML, ASP.Net, MVC, WCF Webservices, Selenium WebDriver for C#.Net, NUnit Scripting MS Visual Studio 2013/2015, SQL Server 2010, MS Access, Windows 7/10/XP

## **Senior .Net Developer**

### **Steak n Shake Indianapolis IN/Cognizant Technology US**

#### **Point Of Sale Project**

**Sep 2016 to Jan 2017**

**Description:** Developed and enhanced Restaurant Management Software Solutions from Xpient, Worked on development projects for IRIS Enterprise Restaurant POS Software Solution. This is an enterprise-grade, cost-effective, easy-to-use Point-of-Sale solution that helps you manage your entire restaurant enterprise. Conversational ordering makes ordering easy for guests and training fast for staff. Specials and combos automatically pop up on-screen. IRIS feature –

**Conversational Ordering** - highly configurable, extremely intuitive approach for ordering,

**IRIS Kitchen Connectivity** - IRIS provides built-in kitchen connectivity, and works with any of the leading kitchen management and display systems.

**IRIS Back Office and Transaction Management** - RIS includes a complete suite of in-store back office management tools, including cash management, inventory, payroll, and reports. Plug-in utilities offer connectivity with all popular third party applications, central reporting and electronic transfers

**IRIS eKitchen-** IRIS eKitchen's browser-based implementation allows for extended use of your existing Windows-based kitchen display system hardware.

**IRIS eSign-** IRIS eSign lets you engage customers as they order – with real-time, custom offers and other marketing content. IRIS eSign provides a customizable, consumer facing application that combines order confirmation.

#### **Roles and Responsibility**

- Ensure the functional coherence for the IRIS POS Tablet requirements. Implement design and architecture concepts
- Analyses, Design & Development of deliverables for the business and technical requirements.
- Actively participated in SCRUM meetings of the project implemented in **agile project management** methodology. Developed as sprint deliverables.
- Implement the solution using C#.Net.
- Worked with WPF and XAML
- Extensively used **data binding, multi-binding, converters, dependency** properties, attached properties, routed events, resources, control templates, styles and data templates.
- Worked with multithreading and synchronization of threads.
- Working experience with ASP.Net Web API 2.0
- Used Windows Communication Foundation (WCF) in a self-hosting mechanism, implementing the Service-Oriented Architecture (SOA) using the REST methodology, to SOAP messages between metadata endpoints, thereby creating reusable interface applications to enable the ETL process, using predefined web methods for each extract table to be transported.
- Extensively used basichttp, nettcp, wshttp bindings for different endpoints in WCF services.
- Worked on ASP.NET MVC5 designed and worked on model and controller class using C#.
- Experience working with VeriFone Device and Payment system.

- Performed NUnit testing and system testing and prepared requirement documents for testing.
- Perform troubleshooting and debugging using Visual studio
- Managed defect log for defects encountered in Integrated System Testing and User Acceptance Testing using Defect Tracking System tool.
- Integrated wlanapi for Wi-Fi and Windows Power status libraries for getting Wi-Fi and Power status with multithreaded design in IRIS POS application for tablets.

**Environment:** C#.Net, Visual C++, STL, Visual C, XML, ASP.Net, MVC, MS Visual Studio; SQL Server, MS Access, SVN, Wi-Fi APIs, Windows 7/10/XP, MFC

**Sr. Lead .NET Developer and VC++.Net**

**South West Airlines, TX**

**POC Project for South West Airlines: onshore/offshore TCS Dallas TX/Mumbai India**

**Sept 2012 to Oct 2013**

**Description:** This project was a coordinated effort of IT team and Design and Algorithm Labs team. Southwest airlines were identifying vendors to develop a custom in-house airline network planning and scheduling application. Network planning applications are core business and very strategic solutions for airlines. The application was to generate schedules for their fleet based on the various business and regulatory constraints and also identified flight profitability.

**Responsibilities:**

- Coordinated with Business Analyst Team of researchers at offshore and Management and Client onshore Team
- Participated in project requirement gathering and analysis phase
- Participated in design and developed modules using **C#.NET, Graphs, VC++.NET STL, SQL server**
- Developed schedule verification module, to verify and validate the schedules generated by ILOG CPLEX solvers. An example is to have Terminal/Gate constraint and buffer time associated with terminal with constraint being that no 2 flights can be in the same gate at the same given time.
- Created base framework for heuristic approaches to improve schedule quality i.e. to maximize the overall revenue, along with utilization, efficiency of the fleet usage.
- Responsible for creating graphical representation of the flight schedule, gate constraints
- Responsible for review of all the deliverables
- Responsible for creating and reviewing software design document and related documents and reports
- Worked with Metadata for solving runtime issues.
- Developed various reports as per business requirements using **SQL Server** Data tools for **Visual studio 2012**.
- Maintained the Version, Labeled Versions and Backups of the source using Team Foundation server (TFS).
- Supervised the development of functional documents for the application.
- Participated in various Client meetings with the team and the Project manager to discuss improvements/amendments in the development of the section.
- Applied Unified Modeling Language (UML) methodologies to design Use Case Diagrams, Activity Diagrams, and Sequence Diagram.

**Environment:** C#.Net, OOPS, LINQ, SQL Server 2012 VC++.Net 2010, C, Microsoft Visual Studio 2010 Express Edition 2010, WebAPI, STL Vector, List, QUEUE, LinkedList, Chart, Graph, NUNIT, SQL Server 2008 R2, UML

**Team Lead VC++**

**TCS, Mumbai India**

**National Stock Exchange Front End Application:**

**Apr 2011 – Sept 2012**

**Project Profile:**

- NSE has fully automated, screen based, floor-less trading for Money Market, Equity Market and Derivatives Market instruments throughout India.
- NSE Trading System matches orders and broadcasts critical information to the traders. Generates reports and send to traders and back-office [for Clearing and Settlement].
- One of the largest On-line Transaction Processing (OLTP) Systems across the globe.
- Managing NSE system on a fault tolerant two machine system (split architecture).
- Trading System Client (Front-end) - The client workstation has been developed using Windows XP, Raima as the local database, C Programming and Windows SDK (Win32 APIs) using Microsoft Visual Studio.
- Trading System Server (Host-end) - The trading system has been developed using Virtual Operating System (VOS), PL/1 and C on a Stratus fault-tolerant mainframe machine. The server uses an in-memory Appletree database management system (Raima DB).

**Responsibilities:**

- Ensured the functional coherence for the business requirements.
- Liaison with the client to gather the requirements and evaluate the feasibility of the same.
- **Managed Front End Team assigning tasks** to team and making sure work will deliver on time with minimal defects
- Provided time estimates for delivery once the requirements gets freeze.
- In process of implementing "Function Point" time estimation for various business requirements.
- Ensured the functional cohesion for the delivery of "NET Position and Bulk Order".
- Contingency Planning ensuring Business Continuity.
- Provided solution / explanations for problems / queries of brokers
- Coordinated mock trading sessions for Brokers across India before the new version releases are moved into production.
- Implemented the solution with the proper estimation of resource and delivery schedule adhering to quality and project procedures.
- Documented and reviewed all deliverables like analysis document, design document, causal analysis report, functional specifications and system test specifications.
- Conducted benchmarks to measure the performance of the multithreaded application and delineating the advantages of the same over existing single threaded application.
- **Led a team of six developers for Front End** (one of the crucial modules of the trading system) for some important releases.
- Led module team for Bulk Orders Enablement and "Net Position".
- Provide solution / explanations for problems / queries of brokers
- Estimation for the new requirements.
- Implement the solution with the proper estimation of resource and delivery schedule.
- Managed defect log for defects encountered in Integrated System Testing and User Acceptance Testing using Defect Tracking System tool.
- Analyses, Design & Development of deliverables for the business and technical requirements.

**Environment: VC++, C with Windows SDK using Microsoft Visual Studio 6.0. TCP/IP and X.25 protocol based network connectivity with trader work stations across the India. MFC Document Maintenance and Source Code Version Control [Microsoft Visual SourceSafe 6.0]**

**Sr. .Net and VC++ Developer  
Diebold Software Services Inc. Mumbai, India  
INvolve (for all vendors)  
Jan 2010 - Mar 2011**

**Description:** INvolve is COM (Component Object Model) based project. Built on the standards of CEN XFS. In ATM architecture INvolve installed above the XFS and provide interface to application from which application can perform ATM operations like Print, Dispense, and Deposit etc.

**Responsibilities:**

- Handling critical issues from customer (Banks)
- Solving SCRs
- Providing estimation for new development activities
- Analysis and investigation for development
- New development for CEN XFS 3.10 new command supports

**Environment:** VC++, C#.Net, VB/VC, Microsoft Visual Studio 6.0 and 2008. Design in COM Document Maintenance and Source Code Version Control [IBM Rational CC/CQ, Seapine version manager]

**Sr. VC++ Developer**

**Diebold Software Services, Mumbai, India**

**Extensions for Financial Services (XFS) for ix**

**Dec 2006 - Jan 2010**

**Description:** The Extensions for Financial Services extend WOSA by defining **Windows-based client server architecture** for financial applications. The extensions (as with the other elements of WOSA) include a set of APIs and SPIs common to multiple financial applications.

The architecture of the Extensions for Financial Services-The applications communicate with service providers, via the Extensions for Financial Services Manager, using the API set. Most of these APIs can be invoked either "synchronously" (the Manager causes the application to wait until the API's function is completed) or "asynchronously"

**Responsibilities:**

- Each XFS service, for each vendor, is accessed via a service-specific module called a service provider. For example, vendor A's journal printer is accessed via vendor A's journal printer service provider, and vendor B's receipt printer is accessed via vendor B's receipt printer service provider.
- XFS service providers (SP) packaged into DLL (Dynamic link library)
- Working on Customers Q's, RPQ and SR as well as SCR which is raised internally
- The solution requires analysis and Investigation of the problem, code changes, required documentation (Impact Analysis, Unit Test Document, and Request to Release Document etc.) and Unit Testing.
- XFS CSD 1.39.3 version release: Merging of all branches and hotfixes with unit testing. Handle the full responsibility of release, coordinating with SQA team handling there queries and solving run time issues during release.
- New Hardware MAB (Multiple-Acceptance Box) Support Development: MAB is a new type cassette developed for BulkCashRecycler's, XFS SP for BCRM has to develop in such a way which can handle the responses and request for this new device.
- Lead a team of 4 developers for XFS (one of the crucial modules of ATM machine) for some important releases.
- Provide solution / explanations for problems / queries of customer.
- Actively participated in SCRUM meetings of the project implemented in agile project management methodology. Developed as sprint deliverables.
- Estimation for the new requirements.
- Implement the solution with the proper estimation of resource and delivery schedule.
- Document and review of deliverables like analysis document, design document, causal analysis report, functional specifications and system test specifications.
- Manage defect log for defects encountered in Integrated System Testing and User Acceptance Testing using Defect Tracking System tool.
- Designed and developed use cases, activity diagrams, and sequence diagrams using **UML**.
- Supported ATM Maintenance Mode build in VB6, fixed the bugs and added new features in it, Also upgraded the Maintenance Mode which was built in VB6 to C#
- CDM Class expert – XFS Cash Dispensing Module class SME.

**Environment:** VC++, C#.Net Microsoft Visual Studio 6.0 and MS Visual Studio 2008. .Net Framework 2.0 Document Maintenance and Source Code Version Control [IBM Rational CC/CQ, PVCS version manager], Agile, MFC, Windows 2000 and Professional

**.Net Developer**  
**MRecord Healthcare India**  
**Transcription WordPad**  
**Jun 2006-Dec 2006**

**Responsibilities:**

- Participated in Creating ActiveX and DLL's module as well as some Database management.
- Developed an applet to download an exe to the client side this applet is running on JRE and JVM both as well as an ActiveX control to install an .exe on that machine where no JVM or JRE supports.
- Developed an auto install setup for this project and also manage some Database related task.
- Participated in designing and Development of Web services.
- Used SQL server 2000 to create modify tables, and write queries to fetch the data.
- Contributed in developing multi-tier web applications with the use of Web Services using ASP.Net Web API.
- Developed Web Service to interact with business logic and Database to provide required response to WinForm.
- Created Class library and Winforms using Data Grid control.

**.Net Developer**  
**MRecord Healthcare Mumbai, India**  
**Voice Recognition Engine**  
**Jun 2005 - Jun 2006**

**Description:**

This is a transcription based work. By using VRE they can dictate directly to system and system can recognize his/her (recorder) voice and transcribe that. It's a big project including 2 different modules, 1st is admin module for creating a user to dictate and trained them at a perfect accuracy level, 2nd module is client module that can transcribe files by that created user's and store file in database.

**Responsibilities:**

- Participated in developing a Format Engine for VRE Dictated report files.
- An ActiveX Control for VRE dictation is directed on the WinWord control.
- Training Module- this module is developed by me in **C#** using some **VC++** ActiveX controls like wav audio file merger and text file merger controls.
- It is used to train the user for dictation of voice files.

**Environment:** VC++6.0, ASP.Net, Java Applet, SQL Server2000 VC++, C with Windows SDK, C#.Net , ASP.NET, Microsoft Visual Studio 6.0 and 2008. Design in COM