**Professional Profile**

* Highly innovative, **senior .NET Developer/Architect** with over **17 solid years** of diverse experience in IT management mixed with wide array of technical skills. This unique blend of strong techno-management skills makes him a breed of an outstanding class that have immensely benefited the customer/ clients and earned him appreciation.
* Reliable, result-oriented professional and leadership with over **16 years** of experience in software design and management in large and complex application at all facets of software development lifecycle.
* Expertise in full life cycle development: requirement gathering, analysis, design, documentation, programming, testing, test plans, deployment, maintenance promoting, application security in all phases of the application life cycle.
* **Over 16 years** in designing and developing applications using **.NET Framework 1.1/2.0/3.0/3.5/4.0/4.5/5.0, ASP.NET, C#, web API, STS,IOC,VB.NET,LINQ, Lambda, Entity Framework 5.0/5.1/6.0, Application Blocks, VB 6.0, Share point, Web Services (SOAP, WSDL),Restful (WADL), SQL Server 2005/2000/7/2010/2012/2014, Web Services, XQuery, ADO, ADO.NET, AJAX, XML , XPATH and XSLT ,CSS, XHTML,WCF, Silverlight 4/5,WWF, WPF,MVC 3/4/5,MVVM, Telerik controls, kendo ui,bootstrap, Threat modeling, OWASP, Asynchronous Programming Pattern in Events, Secure SDLC, ESAPI, UML, Enterprise Architecture 7.1**,**Microsoft Visio and Rational Rose,TFS 2010 ,VSS, TortoiseSVN, GIT, Tableau.**
* Expertise in Relational Database Systems, Normalization, logical, physical data modeling, DTS, SQL Replication models, Stored Procedures, Triggers, Indexes, Views, Data Transformation Services, Locking and Analysis services.
* Experience in system vulnerability scanning and penetration testing using various tools. Experience in maintaining security compliances activities including client and server patching, endpoint protection, configuration management.
* Experience in ensuring that systems are operated, maintained and disposed of in accordance with internal security policies and practices outlined in the security plan and promote class diagrams.
* Expertise in **OWASPtop10**, **SANS25**, Mitre **CWE** vulnerability database, security directives, policies, publications and regulations. Identify/Implement/Use security techniques and solutions. Optimize and tune Database query performance.
* Process compliant with CMMI and Software Development methodologies of Water-fall, Iterative, Agile (SCRUM).
* Ability to independently, rapidly learn new technology, as needed to develop new systems, methods and equipment to reduce expenses, improve productivity and boost profits.

**Technical Summary**

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| Domain | Government, Education/Jobs,Federal, Banking, Hospitality, Telecommunication, Utilities, Insurance, public trust, Non profitable |
| Operating System | Windows 95/98, Windows 8.0/7.0/XP/2000/NT, MS-DOS |
| Languages | C#, VB .Net, VB 6.0,C/C++, XML, HTML DHTML,XSLT |
| Web Technologies | ASP,ASP.NET,WebServices,WCF(3,4,4.5,5),ADO.NET,SOAP,SharePoint,Silverlight(4.0/5.0),REST API(4,4.5,5),Web API 4.5, Microsoft Enterprise library |
| IDE | Visual Studio .NET 2003/2005/2008/2010/2012/2013/2015, Photoshop |
| Architecture | MS.Net 1.1/2.0/3.0/3.5/4.0/4.5 ,3-tier, N-tier, Client/Server |
| Scripts | JavaScript, jquery, AJAX,JSON,VB Script, CSS, HTML, DHTML, KendoUI, Telerix UI controls |
| Database | SQL Server 2000/2005/2008/2012,MySql, MS-Access 2000 |
| Web Servers | IIS 5.0/6.0/7.0 |
| Reporting Tools | Crystal Reports, SQL Server Reporting Services (SSRS).Data reports |
| Source Control | Microsoft Visual Source Safe 6.0, Team Foundation Server, Team City, Github |
| ETL Tools | SQL Server DTS, SQL Server Integration Services |
| ORM | NHibernate (3, 4) , Entity Framework (7,6,5,4) |

**Education and Certification**

Bachelor of Engineering in Computer Science [1995 - 1999], Madras University, India, Chennai

SUN certified web developer.

**Accomplishments**

* Designed and developed Tableau website and architectural framework/design for **DOES** Directors
* Designed Application Store for NRCS web application and promote secured self-mitigated environment in **USDA**.
* Lead Ohio municipal court case and Texas Civil case information with the state's Supreme Court archives in **AMCAD.**
* Lead FAA DMS to phase 3 deployments by applying OWASP security using ASPNET MVC4, EF 5.1, Kendo in **VMD systems**.
* Designed WPF, XQuery for IPAD servicing in Kiosks systems used in **Techlogic** library device system.
* Complete responsible for Case analysis application in **NCMEC**. Used Silverlight and MVVM concepts thoroughly.
* Developed complicated stored procedures, triggers, views to support DTO objects created in **ASG**.
* Designed and developed property management tool for each individual **wyndham** resorts using ASP.net.

**Professional Experience**

**Client: Department of Employment Services (DOES), Washington DC Duration: 01/2015 – Present**

**Role: .NET Lead Developer/ Tableau Architect Project: DOESIT**

* Design and develop DOES web applications for various education programs such as summer youth, DCAS,DOES portal
* Design and developed **Tableau** **dashboard** with data warehousing concepts and powerful sql server procedures, views
* Design and developed wcf ,MVC, user interfaces using kendo and telerik, angular js, REST api using framework .net core
* Design and developed TDD, nhibernate, wcf, database base driven programming tools using .net framework 4.6.1
* Develop MVC core with entity framework to record DC statistic score for employment, unemployment, child care ,wages
* Used **MVC 5.0**, Web API, WCF, REST, VS 2015, ASP.Net, .net 5.0, **C#**, LINQ, SOLID principles, Prism, Entity framework 7.0, bootstrap, jquery for mobile applications.

**Client: USDA NRCS, Washington DC Duration: 01/2014 –12/2015**

**Role: .NET Lead Developer/ .NET Security Architect Project: AppStore**

* Develop security architecture for AppStore development using OWASP top 10 vulnerability and mitigation techniques.
* Using Web inspect, Apps Scan and Soap UI tools to continuous monitor the Web applications. Create remediation and final report to track the attacks and mitigate the scan process.
* Designed and developed vulnerability stranded, most secured applications in ASP.NET 4.5, Web API, MVC 5.0, WCF, REST API for the business industry standard.
* Utilized sophisticated .net web security procedures in presentation, middle and data access layers.
* Penetration testing using **AppDetective, SOAPUI, Webinspect, BurpProxy**, Soap URL, Restful services.
* Validate the SAML token using brokered authentication and Application identifier in the service layer using WCF integration. Identified application security component and created demonstrable examples of how to use those components to mitigate vulnerabilities in applications, services and databases.
* Enhance existing security policies and procedures abide to client’s security analysis. Identified security measures within network perimeter, minimizing security breaches and safeguard information from unauthorized.
* Provided lessen security vulnerabilities in applications, services and database access by applying OWASP ESAPI.
* Performed network traces and query/mine logging infrastructure to troubleshoot performance issues, security incidents.
* Used **MVC 5.0**, Web API, WCF, REST, VS 2013, ASP.Net, .net 4.5, **C#**, LINQ, SOLID principles, Prism, Entity framework 6.0.

**Client: AMCAD, Herndon, VA Duration: 01/2013 – 01/2014**

**Role: Senior .NET Developer Project: JMS and Probation**

Retrieve/Update the Court data store by processing the SSN’s for defendants, juvenile and child care with missing SSN’s

* Worked in Devart to create object and mapping with the database. Used Automaper, Bundling and Minification effectively.
* Created UI using infragistics controls and created helper class for validations over model class.
* Using LINQ to query the database. Worked in **Prism** and Unity Container helper throughout the modules.
* Used Queryover, hql, criterian effectively in nhibernate unit test and service layers.
* Create common layout for all the forms so there will be no adjustments on UI look and feel for each views.
* Created wcf to update **cloud** databases which will be transferred to client site for records maintenance.
* Effectively used data presenter, cellvaluepresenter and Datapresenter events in Xaml datagrid.
* Using **IOC, DIP**, xquery, complicated stored procedures, views to construct the business logic.
* Using **ORM** for saving the business logic into the database. Effectively worked in middle tier to apply business rules.
* Designed/ developed wcf layer. Created xsd to support more than 100 services for business communication.
* Used VS2012,ASP.NET,Winforms,WCF,window service,sql server 2012,xquery, MVC4, ORM, unity framework NHibernate.

**Client: VMD Systems, Reston, VA Duration: 10/2012 – 01/2013**

**Role: Lead / Senior .NET Developer Project: FAADMS**

Security service providers that select the applicant which match with the scores based on profile information and contribution to service and undergo selection process, appointing the representative with managed skills in respective areas to FAA.

* Created FAA security application using **MVC4**, **Kendo** controls, **C#**, **WCF**, **Entity framework 5**, embedded systems, LINQ.
* Used **code first** approach for table entities, mapper classes and applied entity mapping through **DTO** objects.
* Created **razor** views using custom **kendo** controls esp. inline grid editing, popup kendo grids, and kendo datetime picker.
* Created model binding through **jquery** and created custom model binding through respective jquery Created **WCF** service, RESTful service and consumed restful web services which update the database in cloud. Used **LINQ** effectively.
* Created common error blocks using **enterprise library 5.1, stored procedures**.
* Used .NET 4,MVC 4,VS 2012,C#,Entity framework 5.0,VB.NET,ASP.NET,Jquery,Java Script,XAML,XQuery,TFS,SQL server 2012R2,ADO.NET,IIS,T-SQL,XPATH,windows azure,Enterprise library,Telerik,Kendo UI,AXURE mockup tool, knock out.

**Client: Tech Logic, WhiteBear lake, MN Duration: 06/2012 – 09/2012**

**Role: Senior .NET Silverlight/WPF Developer Project: MediaSurfer**

Installing and removing Configuration and Provisioning Profiles, managing apps, ending the MDM relationship, and remotely wiping iPad using Mobile Device Management server on IOS devices

* Created MDM application using **MVVM** framework, **C#**, **and WCF** service to provision over 15 ipads through hardware interface service. Created hardware interface service using **Entity framework**, embedded systems using C# with cambronix motherboard which automated service provisioning for all the ipads using WCF service.
* Designed and developed **WCF**, **restful** services. Consume restful web services in KIOS UI and update the cloud database.
* Customize application error **blocks** using enterprise library 5.1.Worked in **LINQtoXM**L, L**INQTOSQL and Lambda**.
* Created **stored procedures** in sqlserver, performance tuning the functions, procedures, queries for performance.
* Extensively worked in thread, multithreading, workerprocess, background process in wpf.
* Used .NET 4.0 ,WPF,MVVM,Silverlight 5.0 ,VS 2010,C#,VB.NET,ASP.NET,Java Script, XAML,xquery, TFS, SQL server, ADO.NET,IIS,T-SQL, XML,XSLT,SVNGit, XPATH, windows azure, Enterprise library, COM,COM+, ontime, XPATH

**Client: Atlantic Service Group, Alexandria, VA Duration: 12/2011 – 06/2012**

**Role: Senior .NET Silverlight/WPF Developer Project: Fedvas**

* **Lead** role in design and develop Security application using **MVC3**,**HTML5**, **JSON and Knockout**.
* Created and worked with dependency, attached and complex properties and plugged them into different Silverlight and WPF services. Coding presentation layer using WPF and silver light and service layer using WCF technology.
* Implementing **LINQ** queries on different data sources in silver light and WPF applications.
* Integrate WCF services from Silverlight, implement AJAX script to handle Silverlight events and controls.
* Used WPF in creating different animated scenes using the combination of transforms, animation controls (storyboard, double animation) and color effects. Implemented WPF in creating custom controls, 3D graphics.
* Designed and developed XAML interface using **LINQtoXML**, **LINQ to Lambda** from **MongoDB** online data source.
* Implemented different **event handlers** in the Silverlight to provide end user customization.
* Used .net 4.0, wpf, silverlight 5,vs2010,c#,VB.NET,ASP.NET, Java script,XAML,Xquery,TFS/GIT,SQL server,Team city

**Client: National Center for Missing and Exploited Children, Alexandria, VA Duration: 01/2011 – 11/2011**

**Role: Architect/ Senior .NET /Silverlight Developer Project: Case Analysis**

* **Lead** role in design and develop Silverlight application using **MVVM** for Hotline and case analysis.
* Designed and developed **dynamic** loading **controls** into UI from database ,**XML**, VB.NET **observable** collection **classes** for **Serialization** / **De-serialization** purpose, Jquery, **LINQtoXML**, **LINQ to Lambda**, **XAML** pages using **Accordion**, **Jquery**, **AJAX**, Silverlight UI controls ,Animation, Styles, Templates , Canvas, Stack Panels, Grid, .Net RIA Services for data access, WCF . Extensive Data Binding with various Server Controls like Grid View.
* Used files from **MySQL** on to the Media Element Class in Silverlight for embedding audio/video website.
* Performed Unit Testing and Integration Testing using N-Unit. **Key role** in deployment and post production support.
* Designed Custom Controls and Navigation controls using C# and configured the caching policies.
* Written test plans, test strategies, test scripts and resolve issues using bug tracking tools.
* Used .NET Framework 4.0 ,Silverlight 4.0 ,VS 2010,C#,VB.NET,ASP.NET,Java Script, XAML query, xquery, TFS, MySQL, COM,COM+, ADO.NET,IIS,T-SQL, XML,XSLT, VSS , Crystal Report 8.0, XPATH.

**Client: Universal Security Administrative Company, Washington D.C, DC Duration: 10/2010 – 01/2011 Role: Project Lead/Senior .NET Developer Project: Form Redesign**

* Refactored the form engine by migrate **.NET Framework 3.5 to 4.0.**
* Designed **Silver light 3.0 applications** public facing web site to upload the form engine.
* Used .net 3.0/3.5,SilverLight,VS2012,ASP.NET, TFS, COM, COM+, IIS, XML, XSLT, VSS, Crystal Report 8.0, and XPATH.

**Client: Penn National Insurance, Mechanicsburg, PA Duration: 06/2010 – 10/2010**

**Role: Senior .NET Developer Project: PENNPLUS**

PennPlus is the “Agency Portal”, web site to create policies for Personal / Commercial Lines of insurance.

* Designed Web Forms, Services, AJAX Controls using ASP.NET, C#.NET, Silverlight in .Net 4.0 Framework.
* Designed and developed LINQ, Lambda expressions, ADO.Net Data Services, facade patterns to ASP.NET objects.
* Designed and developed XSLT, XPATH and XQuery to retrieve XML data stored in the Sql Server 2005/2008.
* Designed UML Use case diagrams, Class diagrams, Sequence diagrams using MS VISIO.
* Used Microsoft MySQL,**VS2010**, **Silver light 4.0, .Net 4.0**, AJAX, ASP.NET, C#, UML, NUnit, HTML, TFS, CSS, JavaScript, Xml, LINQ to xml, LINQ to objects, LINQ to Lambda, SQL Server 2008, IIS 6.0, Windows Server 2008, MS VISIO.

**Client: Universal Security Administrative Company Duration: 08/2009 – 04/2010**

**Role: Project Lead/Senior .NET Developer Project: Form Redesign**

* Lead role in redesigning and refactoring the Forms Engine 499QA by applying design patterns using **.NET Framework 3.0, 3.5 with C#, VB.NET Business objects and WCF services** using ASP.NET **MVC** design pattern.
* Design and developed stored procedures, functions and triggers using SQL Server 2005/2008.
* Designed and developed **winforms, Webforms,** libraries, interfaces, classes, XML, XSLT and developed Asynchronous processing. Created **Window services, Web services, WCF ,** Jquery, LINQ to XML, LINQ to Lambda for fund transfer.
* Perform Unit/System testing to identify and resolve integration, functional and usability issues before deployments.
* Review the code to verify the accuracy, standards and optimizing the queries and minimizes page upload performance.
* Dynamically generate controls and send the values into PDF using **Multithreading**.
* Design application based on **SharePoint** Platform. Assist in driving application in **SharePoint**
* Create **SQL reporting** to make better business decisions using SQL Server 2005 Reporting Services and **Crystal Reports** provides an infrastructure for creating, embedding, and managing enterprise reports.
* Used .NET 3.0/3.5,VS2005/2008,C#,VB.NET,ASP.NET,Javascript,MOSS,ADO.NET,IIS,T-SQL,SQLserver 2008,XML,XSLT, VSS

**Client: Verizon Telecom. Temple terrace, FL Duration: 12/2008 – 06/2009**

**Role: Project Lead/Senior .NET Developer Project: RMICW**

* **Lead** offshore team .Involved in all phases of the projects and interaction with the clients
* Designed and developed **Web services, winforms, services, libraries, WCF, WPF,**AJAX functionality and LINQ to improve responsiveness using **C#** and OOPS concepts for the business standards and treating pending accounts.
* Developed POC services using **WCF, WPF**, **custom controls.** Convert MS **InfoPath** Template to WPF based application.
* Actively involved in designing SQL 2005 SSIS packages to fetch data from Telecommunication system, SSRS, Database design and performance tuning of the application at Microsoft Test lab. Developed **XML, XSD, XSL and XSLT** between layers. Involved in developing Process diagrams, Work Flow diagrams and Data diagrams.
* Involved with the QA and performance testing team in identifying and developing thorough test plans and test scripts.
* Used.NET Framework 2.0/3.0/3.5,VS2005/2008,C#,VB.NET,ASP.NET,Java Script, VB6.0,COM,COM+, ADO.NET,IIS,T-SQL, SQL server 2000/2005,XML,XSLT,Crystal Report 8.0, XPATH,LINQ

**Client: Wyndham Vacation Ownership Duration: 07/2005 – 10/2008**

**Role: Senior .NET Developer Project: Flash and Focus**

* Designed and developed the forms, interfaces using **C#, ASP.NET, VB**,**VB.NET, ASP, COM+, XML, XSLT, services.**
* Designed the library **classes** using C**#, VB.NET** which incorporates three-tier architecture and database connectivity.
* Created C# popup, control validations, XML and XSLT for alerts in **ASP.NET** pages using **.NET Framework 2.0/ 3.0**
* Designed prototypes in Smart Client Software factory for Single Front Desk system. Designed XSLT for business process.
* Created **SQL reporting**, **Crystal reports**, **stored procedures**, T-Sql statements in Oracle8i and SQL server 2000.
* Forms based authentication, Role Based Authentication and single sign-on. Code review, unit testing, debugging and Integration **testing**. Implement **OOPs** in **Win/Web Forms UI design**.
* Used.NET Framework 2.0/3.0,VS2005/2008,C#,VB.NET,ASP.NET,Java Script, VB6.0,COM,COM+,IIS, SQL server 2000/2005,XML,XSLT, Crystal Report 8.0, XPATH,LINQ, Oracle 8i

**Client: Diebold Systems, India Duration: 07/2002 – 07/2005**

**Role: Project Lead/Senior .NET Developer Project: ATM Management**

* Lead the team. Designed, developed and deployed Diebold windows and web-based applications.
* Created C#, VB windows libraries and extensively used callable wrappers. Worked on **ADO.NET** for Data Access.
* Worked Extensively on **OOPS**, design patterns and **Win Forms** (GUI Design) with VB .Net and C# .Worked on **ADO.NET** for Data Access. Created complex **Stored Procedures in** Oracle, SQL Server.
* Used .NET Framework 2.0,VS2005 ,C#, VB.NET, ASP.NET, Java Script, VB6.0, COM, COM+, ADO.NET,IIS 5.0,T-SQL, SQL server 2000/2005,XML,XSLT, VSS , Crystal Report 8.0, XPATH, Oracle 8i

**Client: YCS Duration: 09/2000 – 12/2001**

**Role: Project Lead/ .NET Developer Project: Citi Connect**

Citibank's Web Enabled Delivery Platform for B2B and B2C transactions that integrates **financial** and other value added services Designed XML to enable real time messaging between Citibank and **e**-**commerce** market places. Used Pro\*C, Oracle 6.5, Unix Sockets , RPC's, VB 6.0, IIS 4.0, Windows NT, SQL Server 7.0, COM, ActiveX, Java 2.0

**Client: ADEPT Duration: 06/1999 – 08/2000**

**Role: C, C++ Programmer Project: Citibank Gateway**

Allow customers to make the Payments for online purchases with 128 bit SSL to ensure secure transactions. Responsible for system enhancements and bug fixing. Used C++, Pro\*C, SQL Server 7/6.5, Crystal Report 5.0, VB, UNIX Sockets, Shell Scripts.

**---------------------References furnished upon request--------------------**