**Mark D Su**

**Summary:**

* Over 15 year US experience in IT industries with Fortune 500 companies. Real project experience in system and application development in web, window, and Client/Server platform, including architecture, design, coding, testing implementation, production support.
* Full stack development experience in front-end and backend/service code in SDLC and Waterfall/Agile Scrum project development.
* Over 6 years of solid experience in Business Application Software design, Solution Architect and development, large enterprise multi tired system architecture development with best practice and current technologies, include Microsoft NET/Core, modern UI technologies, Azure cloud platform.
* Recent heavy-duty UI development with React JS, ES6+, Redux, Vue 3, Angular, lambda, Node JS, MVC , Web API/C#, TypeScript/JavaScript, jQuery, Microservice Frontends, event-driven, BFF design pattern, Asynchronous and Task Parallel Programming, Azure/DevOps
* Over 10 year’s experience in full stack development in full-cycle development both front end UI layer, and backend development with best practice.
* Recent years consulting project experience in large enterprise application development with ASP NET core, C#, ASP MVC, Web API, DevOps, PDF Designer, analysis, coding, test, deployment components with VS 2022, DevOps, CI/CD Pipeline
* 10+ year experience in Service layer, backend layer development with best practice architecture and design pattern on Web Services, Web Api, SOA, repository creation, data access development
* Real world experience in Microsoft .NET Framework 4/45/6, C#, VB .NET, Entity Framework, WPF, HTML5, CSS 3, ASP. Net WebForm, Ajax.NET, ASP NET MVC, JavaScript, jQuery, JSON, Bootstrap, SSIS, SSRS, PL/SQL with Oracle, T-SQL with SQL Server 2018/2022, Mongo DB, LINQ, thread programming, ASP NET Web API, ASP NET REST Service, Angular JS, Window Services, Window Task, ASP NET SharePoint development CMS, Kendo UI, Messaging Queue
* 5+ year project experience in MS Azure/ cloud technologies, include Azure data warehouse project development with Power BI service, Azure AI service/ Form Recognizer Service, PowerApps, Microsoft Flow, Power BI dashboard.
* Recent project experience in Amazon Web Service, AWS, AMS Big Data warehouse, Amazon Athena, Amazon Redshift data management
* 10+ years project experience database design, database development within SQL Server and Oracle , Mongo DB environments, include table creation, views, T-SQL, stored procedures and SQL Server support and maintenance, SSIS, SSRS, DataStage ETL
* Experience in IT project management, Project team lead, leadership execution, include technical and human resource management, project resource management, scheduling, quality control, project code review, scrum team management, and Technical/Production Support
* 10+ year experience in Test Driven Development (TDD), HEAVY Agile/Scrum Environment (retrospectives, product backlog, backlog grooming, story pointing, test cases definition, unit test, system test, smoke test, integration test, user acceptance test process etc.)
* Hands on project experience with client facing, include requirements gathering, production /technical support

**Technical Skills:**

**Languages:** C#. Net, VB.NET, ASP.NET, SQL, HTML5, XML, ASP, JavaScript, PL/SQL, Angular, React JS, Angular, TypeScript, T-SQL, C, C++, ASP MVC, MVVM, LINQ, WCF, Web API, jQuery, Web Service, REST Service, CSS 3, Bootstrap, JSON, Node JS, SSIS, SSRS, Mongo DB, Python, WordPress

**Software:** Visual Studio VS2020/2022, Visual Studio code, MS Office 365, PowerApps, Power BI, SharePoint, SQL Server, SSRS/SSIS, MS Commerce Server , MS Team Foundation Service, Telerik controls, Silverlight , WPF,MVC 5/6, SVN, CVS Version control, DevOps, Azure cloud, AWS cloud, Entity Framework ORM, Azure, Git, Toda Data Point, SQL Workbench, DBeaver, Kafka

**Database:** Access, Oracle, SQL Server, MySQL, Mongo DB, AWS Athena, AWS Redshift

**Operating Systems:** Window Server, Window CE, UNIX, Linux, Window 10, Window 11, Android

**Project Applications:** Financial Investment , Banking, Clinic Case management, Equity System, Real Estate Case Management System, healthcare app, Accounting System, Logistics System, eLearning, eCommerce, Cooperate Tax Service System, Mobile Communication System, Medical Clinical Information Systems, Health Analytics System, Medical Device System, POS (Point of Sales) System, Warranty Payment System, MS Great Plain Inventory and Operation Systems , Audit System

**Professional Experience:**

**Gold River Tech Apr 2024 – Present**

**Architect & Lead Consultant, Media technologies**

* Architecture and lead developer for media platform CMS(Content management system),
* Developed and tech support on web site for news media portal
* Developed and host video platform Project for clients

**Environment:** WordPress**,** NET core, C#, JavaScript, Web Api, SQL Server , Node,js, Visual Studio 2017/2022, HTML 5, CSS, JavaScript ES 6, Typescript , React, Angular, Azure/DevOps,

**CIBC Bank Apr 2023 – Feb 2024**

**Software Engineer Consultant, Application Development / Technology Services**

* Feature development for bank Wires system design, code, unit test / Smoke test, pipeline management , QA, production deployment, technologies include C#, ASP NET Web Form, Asp NET MVC, Ajax, jQuery, Web API, JavaScript, HTML/CSS, Azure, DevOps, Cognos Report, Telerik Controls
* System support for bank applications, include data migration, data management with SQL Server 2022, transact SQL programming, SQL Script, stored procedures, function view etc.
* Project Migration from TFS to Azure/Azure DevOps
* Production support and bug fix, continue integration in Azure, DevOps, and development environment
* Day-to-Day Responsibilities:
* Work with architecture, team lead, project manager, BA, QA team to implement new feature, work with pier team developers to discuss implementation requirements, deliverables the team is focused on
* Wrote UI and database code to meet the specifications of assigned task items
* Attend daily scrum meeting and other project meetings with team members to discuss and report task progress and block issues

**Environment:** NET 4/ NET 6, NET core, C#, JavaScript, Web Api, SQL Server , Node,js, Visual Studio 2017/2022, HTML 5, CSS, JavaScript ES 6, Typescript , MS Team Foundation Services(TFS), Azure/DevOps, Cognos Report, Angular, Kafka automation

**PWC Oct 2020 - Mar 2023**

**Architect Developer Consultant, Investment Risk Management, Information Technology**

* Architect design, full life cycle development for global risk management web system with React JS, Node JS, ES6+, Redux ,Web API, JavaScript, HTML/CSS, Azure, DevOps
* New feature development for investment risk system with NET 4.5, C#, NET Core 3.0,Visual Studio 2019/2022, Visual Studio Code, Window 10, HTML 5, JavaScript, React JS, Micro Frontend , git/npm, Web API, Azure/DevOps, Jira, Agile, SQL Server, Mongo DB
* Build Api gateway for microservice development with Node Express, NET Core
* Solution Architect for Document Audit System(NGA), with NET Core, Web Api, C#, Microservices , React JS, Micro-Service, Docker, , git/DevOps CICD, Mongo Database
* Build Web Api layer for Document Audit application with NET Core 5, C#, create interface, implement service for Ai process and data access with Mongo DB, wrote business logic and data process with NET C# , Mongo Client
* Create class and component for front end layer with Typescript/JavaScript, ES6+, Redux, jQuery for React UI
* Azure AI service development with AI Form Recognizer Service, Azure host, Azure service bus, Azure function, Azure database development
* Work with other architecture, team lead, project manager, BA, QA team to implement solution architect, work with pier team developers to discuss implementation requirements, deliverables the team is focused on
* Wrote UI and service code to meet the specifications of assigned task items
* Attend daily scrum meeting and other project meetings with team members to discuss and report task progress and block issues
* Follow established processes to do code reviews, unit testing bug remediation, communicate with QA team to ensure quality deliverables

**Environment:** NET Core 6, NET 5, C#, Sever sider Node.js, Vue 3, Lambda, Microservice, C#/JavaScript Web Api, SQL Server , Visual Studio 2017/2022, React JS, Redux, Web Design, SVG, HTML 5, CSS, JavaScript ES 6, Typescript Angular , npm/Node.js, Azure/DevOps, Jira, Azure, Azure AI/Service Bus Mongo DB, AWS S3

**Takeda, Bannockburn, IL Jan 2020 - Sep 2020**

**Senior IT Consultant, BioLife Plasma Services, Information Technology**

* Developed medical device System with React JS, Micro-Service, typescript, JavaScript, ASP.NET/C#, MVC, Web API, NPM/Node.js, Bootstrap, SPA , SQL Server, Entity Framework, Git Version Control, Jira, implement UI on multi components
* Create new components and modules using typescript, JavaScript , UI framework for Angular UI on new feature development for medical blood donation system, refactoring existing code for performance and bug issues
* Refactoring service layer C# code with best practice design patterns, include testing and production delivery
* Acting as a senior developer consultant in a 10 people Agile system development team for several medical device system development and maintenance/support, include Donor Payment System, Calibration Maintenance System, daily activities include daily Sprint meeting, project development etc.
* New feature development and refactoring / Bug fix for Donor Information System with ASP.NET/C#, MVC, Web API, JavaScript, NPM/Node.js, Angular 12, Bootstrap, SPA (Single Page Application), SQL Server, Entity Framework, SVN Version Control, Azure/DevOps. The system has more than 10 subsystems to manage the Plasma blood donations.
* Work with architecture, team lead, project manager, BA, QA team, pier team developers to discuss implementation requirements, deliverables the team is focused on
* Wrote UI and service code to meet the specifications of assigned task items
* Attend daily scrum meeting and other project meetings with team members to discuss and report task progress and block issues
* Follow established processes to do code reviews, unit testing bug remediation, communicate with QA team to ensure quality deliverables

**Environment:** React JS, Micro-Service, NET 4.5, C#, ASP NET MVC, SQL Server 2016, Visual Studio 2017, Window 10, Oracle 12g, HTML 5, JavaScript, Breeze JavaScript client, JQuery, Bootstrap 2, TypeScript, npm/Node.js, Web Service, Web API, REST Service, Entity Framework 6, Azure/DevOps, Jira, Git/SVN Version Control, Agile, Microsoft Teams

**Abbott Laboratory, Abbott Park, IL Sep 2018 - Dec 2019**

**Architect Engineer Consultant, R&D Data Analytics, Abbott Diagnostics Division (ADD)**

* Solution Architect for Data analysis and management application with React JS, Node JS, Web API, SQL Server
* Add new features, support for several NET applications, include an Experiment Development Management System developed with ASP Web form/C# and SQL Server, a Project management system developed with ASP NET MVC/C#, SQL Server, jQuery
* Solution architect and full life cycle development for A Competency Management System with Microsoft PowerApps UI, Flow, Common Data Services, Power BI dashboard report, SharePoint
* Execute weekly data query for ADD global scientists and research

**Environment:** NET 4.5, C#, ASP NET MVC, SQL Server 2016, Visual Studio 2018, Oracle 12g, HTML 5, JavaScript, NET Core, Azure, jQuery, Bootstrap 2, JSON, Window Service, Web Service, Web API, REST Service, Entity Framework 6, PowerApps, Power BI, AWS, Athena, Redshift, DBeaver, Python, R Software

**CVS/Caremark, Buffalo Grove, IL Nov 2017 - Aug 2018**

**Senior .NET Front End Developer Consultant, Dispensing Applications**

* Developed dispensing carrier event process system with ASP NET 4.5, C#, SQL Server 2012, Visual Studio 2013, Window Service, solo coding, implementation, testing
* Participated in DPMS (Dispensing product Maintenance Service) system development, primary task includes coding, unit testing for several service components with ASP NET, C#, MVC, Angular JS, JavaScript, WCF web service, Restful web service, SQL Server, My SQL
* Developed transaction exporter window service for DPMS with window service, C#, SQL Server, include coding, testing, installation quality control, operational quality control
* Developed dashboard web application of DPMS with ASP NET MVC, C#, JQuery, JavaScript, SQL Server, Angular JS, web API
* Continue Integration in CVS Enterprise Digital IT team, production release management for CVS core web applications(caremark.com etc.)

**Environment:** NET 4.5, C#, ASP NET MVC 6, T-SQL, XML, SQL Server 2012, Visual Studio 2013, Window Server 2012, Oracle, Sybase, HTML 5, JavaScript, Angular JS,NET Core, JQuery, Bootstrap 2, JSON, Window Service, Web Service, Web API, REST Service, DB2, Jenkins, Git, Entity Framework 6, Azure SQL

**Fresenius Kabi Co, Lak Zurich, IL Apr 2016 - Nov 2017**

**Senior .NET consultant, Research & Development, Medical Device**

* Developed medical device system with ASP NET MVC 6, C#, JavaScript, JQuery, Bootstrap client technologies, Knockout 3 SQL Server 2012, Visual Studio 2012, SOA, REST Service, WCF, Web API, RabbitMQ, Window Service , SOA
* Front end UI customization and new feature development with html, CSS html Web UI for medical procedure system with ASP MVC Razor view, C#, JavaScript, Ajax, Jason, JQuery , Bootstrap, Knockout
* Developed window service, REST Service, Web Api , WCF service for medical system with C#, JavaScript, Entity Framework 5
* Developed medical device test tool with Angular JS, JavaScript, SQL database, Restful web service
* Write & Execute test case and implement system test for medical device software

**Environment:** NET 4/4.5, SOA, C#/ASP.NET, ASP NET MVC 6, MVVM, ADO .NET, T-SQL, XML, SQL Server 2012, Visual Studio 2012, Window Server 2012, HTML 5, JavaScript, CSS, JQuery, Bootstrap 2, Angular JS, RabbitMQ Messaging Queue, Window Service, Entity Frame Work 6( ORM), NET core, Web Service, WCF, Web API, REST Service, knockout, nLog

**Paylink Inc., Chicago, IL Jul 2014 - Apr 2016**

**Full Stack Senior Application Developer, IT Development & Support**

* 40% - New development, code/implement Vehicle Warranty Policy Management System, refactoring to 3 tire with WCF, REST Service, .NET remote, ASP.NET WebForm, MVC 5, C#, SQL Server 2010, HTML, CSS, JQuery., JQuery, Bootstrap, Kendo UI, SQL Azure, Microsoft Azure Web Host
* Project lead for several projects, lead team to do Architectural Design, code implementation, test & deployment process, communication with manager and BI, QA team. Migration from SQL Server to SQL Azure, migration from IIS to Microsoft Azure Web Host
* 30% - Enhancement , add function/ refactoring for Warranty Systems components , which included Contract Processing System, Letter Service Systems , with NET technologies, SQL database, NET remote
* 30% - Test and Support for several account vehicle protection management system.

**Environment:** NET 4/4.5, Web services, C#/ASP.NET WebForm, MVC 5, WCF, NET Remote, REST Service, IIS, T-SQL, HTML5, CSS 3, JavaScript, JQuery XML, Bootstrap, Json, SQL Server 2008/2012, TFS 2010, Visual Studio 2010/2012, SQL Server Reporting Server, SSIS, Entity Framework 5, SQL Azure, Microsoft Azure Web Host

**General Services Administration, US Government, Chicago, IL Jan 2014 - Jul 2014**

**Lead Developer Consultant, IS**

* 40% - New development, Full Life System development on web-based PBS(Public Building Services) system with VB.NET/NET 4.0, MVC5, Visual Studio 2012, Entity Framework ,SQL Server 2012, HTML,
* 30% - Application Support, support several current GSA applications that included ADS (Acquisition Management System), which are web applications developed on C#/VB NET
* 30% - Refactoring Employee management System with Silverlight 4, C#, Entity Framework ORM.
* Project lead for web application development for HR management system with , Angular JS , REST Service, JavaScript, JQuery, HTML

**Environment:** NET 3/4/4.5, Web services, ASP.NET WebForm, C#/ VB.NET, IIS, Entity Framework 5 ,XML, SQL, TSQL, Server 2008/2012, Silverlight 4, html5, JavaScript, JSON, REST Service, JQuery, Window Mobile App

**Corptax, Northbrook, IL Mar 2011 - Dec 2013**

**Full Stack Senior .NET Developer, Software Development**

* Worked on large cooperate enterprise tax service system with the latest tools and technologies using C#, .NET 4.0/3.5, NET/C# , WCF, Visual Studio 2010, Windows Server 2008, Team Foundation Server 2010, Sr. developer role on Design(10%), Coding(50%), Test & Implementation(40%)
* Refactoring data server layer for co-operate tax service system with NET 4.0/ C# and SQL Server 2008, multi-threading.
* Wrote unit test program for WCF service and data access layer methods with C#, TFS, Scrum work process.
* Developed web version of cooperate tax service system with ASP.NET MVC 4, JQuery, CSS, WCF, Visual Studio 2010, Windows Server 2008, Team Foundation Server 2010. Task include code, implementation, testing, entity layer (10%), data access layer (10%), business layer (15%), Model (15%), controller (20%), view (30%).

**Environment:** NET 3.5/4, WCF, ASP.MVC 4, SOA, JQuery, JavaScript, CSS, IIS, T-SQL, C#, XML, HTML, SQL Server 2008/2012, Telerik Controls, Multi-threading, LINQ, Team Foundation Server 2010, TDD, NUnit, Visual Studio 2010/2012, Agile, DevExpress

**RR Donnelley, Bolingbrook, IL Jun 2010 - Mar 2011**

**Lead .NET Consultant, IS, Logistic System**

* Leader developer for a web based report tools with C# NET 3.5, WCF, SOA, SQL Server 2005.
* Updated WCF service to work with database and download report for ETM components.
* Developed a Load Management Service WCF service with C#.NET.40, WCF, SOA, SQL Server 2005, window service, threading.
* The WCF service work with database and third party business engine to process logistic truck load dispatch, warehouse operation and carrier tracing.
* Customized, rewrite new version for a USPS Mail.dat Compliance system with C#.NET, threading, Oracle 11g, thin client/Winform, LINQ.
* Used LINQ to process list collection and database data, roles include Architecture, Design, Coding, and Test & Implementation.
* Led a team of 4 people on WebForm Post Management Systems SDLC , that included system architecture, design , WCF, ASP.NET, SQL Server 2005, worked on UI(30%), Service Layer(40%), Data Layer(Database 30%).

**Environment:** NET 2/3/4, WCF, SOA, Ajax.NET, Agile, C#, XML, HTML, SQL Server 2005/2008, Oracle 11g, SharePoint 2010, Telerik Controls, Tortoise SVN, LINQ, Silverlight, Active Directory, JQuery, UML, WinForm, WebForm, T-SQL, IIS

**Education**

Master of Science , UIC, Management Information Systems, 1997

Bachelor of Engineering, Applied Physics, National University of Defense Technology, 1989