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**SUMMARY:**

MBA with over 10 years of experience predominantly in Angular and Microsoft Technologies. Experienced in all aspects of web and windows development.

**GUI/Presentation:**

● Over 10 years of web development experience on the Microsoft stack (C#, ASP.net, WebForms, ADO.net) targeting the manufacturing, financial, telecom, and ecommerce domains

● Two years of experience on the Angular front-end platform, including one year of development experience on the Angular/TypeScript platform

● Three years of experience creating serverless applications within the Azure and AWS cloud environments

● Two years of experience creating Azure functions using .Net Core

● Strong background on the ASP.net MVC (Razor) platform

● Proficient in Angular, TypeScript, jQuery, Bootstrap, HTML5, JavaScript, AJAX and CSS

**Business Logic/Controller:**

● Proficient in developing .NET applications using Visual Studio versions 2022, 2019, 2017, 2015, 2013, 2012 and 2010

● Experienced in implementing ASMX, WCF, and WebAPI services over both REST and SOAP protocols

● Experienced in creating and deploying Azure functions

● Experienced in using PowerShell to deploy applications to an Azure App Service PremiumV3 environment

● Experienced in securing WCF, WebAPI, and classic ASMX webservices

● Experienced in using the Microsoft Security Application Block to provide customizable authorization within an ASP.net application

● Experienced in decompiling and reverse engineering .net applications when required. Able to take decompiled .net code and turn it to working, human readable, and quality source code.

**Database:**

● Experienced in optimizing SQL databases containing over ten million rows for speed. Proficient in indexing, normalizing, denormalizing, caching and sampling data

● Experienced in creating SSIS packages to load, transform, and distribute data

● Experienced in installing, configuring and maintaining SSRS servers. Experienced in using the ASP.net ReportViewer control to display and distribute SSRS reports.

**TECHNICAL SKILLS:**

|  |  |
| --- | --- |
| **Languages** | C#, C++, VB.net, SQL, TSQL, PL/SQL, LINQ |
| **UI Mark-up** | ASP.NET, ASP, HTML5, HTML, XAML, Razor, Bootstrap |
| **UI Components** | Telerik, ASP.net AJAX, Infragistics, jQuery, Angular |
| **Server Scripting** | C#, VB.net |
| **Client Scripting** | JavaScript, jQuery, Angular, TypeScript |
| **Webservices** | Classic ASMX Webservices, WCF, WebAPI |
| **Web Technologies** | .Net Core, .Net 5, AJAX, XML, XSLT, CSS, Web Services, Web Parts, WCF, LINQ, WSS, Silverlight, IIS6, IIS7, IIS8 |
| **Cloud Technologies** | **AWS –** AWS Lambda, AWS Elastic Block Storage, AWS Relational Data Service  **Azure –** Azure Functions, Azure API Management, Azure App Service, Azure SQL Database |
| **Database** | SQL, PL/SQL, T-SQL, Oracle 9i/10g/11g, SQL Server 2012/2016/2022 |
| **Reporting** | MS SQL Reporting Services (SSRS), Crystal Reports |
| **Desktop** | WinForms, WPF |
| **Application Tools** | Visual Studio 2015/2017/2019/2022, Red Gate SQL Toolbelt |
| **Versioning** | GIT, Team Foundation Server (TFS), Visual Source Safe (VSS) |
| **Operating Systems** | Windows Server 2022, Windows Server 2019, Windows Server 2016, Windows Server 2012, Windows 10/8.1/8/7/Vista/XP, UNIX, MS – DOS |
| **Web Servers** | IIS 10, 8, 7.5, 7.0, 6.0 |
| **Methodology** | UML, Agile, Object-Oriented Analysis/Design |
| **Certifications** | BrainBench C# 5.0 (#13621978) BrainMeasures Angular 6.0 (#147681) BrainBench HTML 5 (#14266404) |

**EDUCATION:**

● Master of Business Administration, Information Systems, University of Iowa

[http://www.iowa2011.com](http://www.iowa2011.com/)

**PROFESSIONAL EXPERIENCE:**

### TRAFFICPITCH Jun 2023-Present

#### *.Net/Angular Developer* Nextera Facilities Reporting: Responsible for the development of a rules-based payment tracking system. This system allows managers to track the amount and frequency of infrastructure payments at a major utility company. The Nextera Facilities Reporting application describes the amount and frequency of payments required to maintain the thousands of wind turbines, collection lines and transmission lines within Nextera Energy’s infrastructure.

**Routine Technical Tasks Included:**

* Selecting a leading Angular/TypeScript template to provide a framework for the project user interface
* Creating WebAPI controllers to provide data access to the application
* Creating Azure functions to make the .net API available to the front end
* Creating views to allow the administration of users, roles, and permissions within the application
* Creating views to display and modify project infrastructure and payments
* Creating unit tests for TypeScript functions using the Karma task runner
* Using PowerShell to deploy the application to an Azure App Service PremiumV3 environment

**Technologies Used:** Azure Functions, Azure Resource Manager, Azure Blob File Storage, Azure SQL Database, .net Core, TypeScript, Angular, Karma, .Net Core, C#, VB.net, ASP.net 5, ASP.net 4.5, ASP.net 4.0, ASP.net MVC, ASP.net MVC 5, ADO.net, LINQ, Visual Studio 2022, TSQL, SQL Server 2019, IIS 10, Windows Server 2022, SQL Server 2022, Bootstrap 4, WrapBootstrap, jQuery, JavaScript, WebAPI

### NOKIA, Murray Hill, NJ Jul 2018-Jun 23

### *Lead ASP.Net MVC Developer*

Responsibilities: Responsible for the implementation of ASP.net MVC applications for the Business Continuity team.  
  
**Business Continuity Database:** Responsible for the implementation of an ASP.net MVC/SQL Server application containing Nokia’s organizational structure, as well as the processes and dependencies of each organization. An ASP.net MVC/Bootstrap user interface allows managers to enter their organization's structure and functions within their organization. Reports from the database allow managers to determine which projects are essential to Nokia’s daily operations, and monitor their progress in planning for disruptions.

**Routine Technical Tasks Included:**

* Selecting a leading Bootstrap template to provide the framework for the user interface
* Integrating the open-source template within an ASP.net MVC project
* Creating views for user, role, permission, user role assignment, and role permission assignment for user administration
* Creating SSRS reports to display organizational data including compliance, by manager, with Nokia’s Business Continuity planning policy.

**Technologies Used:** ASP.net MVC 5, C#, Visual Studio 2019, Visual Studio 2017, IIS 10, Windows Server 2019, Bootstrap 4, jQuery, PL/SQL, Oracle 11g, SQL Server 2019, SSRS, WebAPI, Angular JS

Accomplishments: Delivered the application ahead of schedule. Since performance data became available online, the percent of organizations in compliance with the Business Continuity Planning policy increased from 40% to 98% within three weeks.

### WELLS FARGO, San Antonio, TX Jan 2013-Jul 18

#### *WPF/SQL Developer (Global Risk)*

#### Responsibilities: Responsible for the development of a WPF database comparison utility that automates 12 individual Red Gate SQL Compare command line processes and concatenates the results.

**WPF Database Comparison Utility:** Four different databases residing on three different environments—dev, UAT, and prod—created a situation in which the dev environment for 4 databases was ahead of the source control, and the UAT and production environments were behind. I created a WPF-based comparison utility that launched 12 threads of SQL Compare, monitored their status while running, and concatenated the results from each thread into a single report of SQL code deviations. Users could view the resulting report in the utility, note differences between the individual databases, and decide how to resolve the difference (for example, by rolling development versions of stored procedures forwards to UAT for testing, or by rolling the development versions back to match source control.)

**Routine Technical Tasks Included:**

* Creating a database monitoring utility using C# and WPF for a modern UI presentation
* Integrating Red Gate Subversion with over 12 existing databases
* Introducing both utilities—Red Gate Subversion, and the WPF DB Monitor, to a busy and preoccupied development team
* Utilizing the Subversion API (SharpSVN) to compare stored procedures in the Subversion repository to existing SQL Stored procedures
* Creating a generic list of multithreaded processes to allow users to run several concurrent instances of SQL compare
* Empowering users with the ability to run several concurrent threads, thereby reducing database comparison cycle time by over 80%
* Utilizing the MVVM pattern to abstract and persist data within the WPF application
* Utilizing the MVVM pattern to create a flexible presentation layer and a maintainable, modifiable user interface
* Creating distributable reports utilizing SSRS and classic HTML
* Creating windows services to automatically distribute reports to users
* Utilizing the System.Net.Mail library and IIS SMTP to distribute code deviation reports to programmers and other stakeholders on the development team

**Technologies Used:** C#, VB.net, WPF, Visual Studio 2017, Visual Studio 2015, TSQL, SQL Server 2017, SQL Server 2016, System.Net.Mail

*Lead .Net Developer (Loan Securitization)*

#### Responsibilities: Responsible for the design and implementation of a loan securitization application.

**Loan Securitization Application:** Wells Fargo continually delivers its existing loan receivables to the Federal Reserve, and uses these assets as collateral for new loans. The loan securitization application assists management in this effort by allowing users to search and sort loans from an inventory of over ten million loans; select a subset of loans, and export a data file containing loans to be delivered to the Federal Reserve. Speed presents the primary challenge for the development team as Well Fargo has a huge and ever-growing number of outstanding mortgage loans and must search, sort, and deliver these loans before the company can receive additional capital for new loans.

**Routine Technical Tasks Included:**

* Adding indexes based on rules users write
* Creating SSIS packages to load and transform data received from external data sources
* Denormalizing huge loan tables into more manageable sub-tables
* Creating ASP.net user interfaces allowing users to preview, define, and execute custom loan delivery processes
* Creating reports in SSRS detailing the status of pledged and unpledged loans
* Monitoring and documenting the code updates from several developers; testing and deploying changesets to production
* Creating deployment scripts, documentation, and checklists detailing the SSIS packages, DDL and DTL scripts, ASP.net/C# business logic, and data required to synchronize several database and web environments.
* Monitoring and maintaining the integrity of dev, UAT and production environments
* Responding to user change requests and ensuring the availability of the loan securitization application and database

**Technologies Used:** C#, VB.net, ASP.net 4.5, ASP.net 4.0, ASP.net 3.5, JavaScript, WCF, IIS 8, ASP.net Webservices, ADO.net, VS.net 2019, TSQL, SQL Server 2016, SQL Server 2012, jQuery, Telerik, Agile

### CETECOM USA, Milpitas, CA May 2012-Dec 12

#### *Senior Software Engineer*

#### Responsibilities: Responsible for the design and implementation of a quote website and a project management application to support a cellular/wireless testing facility.

**Quote Request Website:** Generates price quotes for project-based work based on services requested. Allows users to select what type of components need to be tested; what standards testing (PTCRB, Bluetooth, Wireless, or FCC/CE) is to be performed, and delivers an estimate to the user. Allows management to generate reports on customer quote requests, and allows salespeople to search both complete and incomplete quote requests in their efforts to close the sale.

**Routine Technical Tasks Included:**

* Creating a quote request website using C# and ASP.net
* Creating the HTML markup to match existing Cetecom websites
* Creating the database design to store price quotes and sales quote requests
* Creating an ADO.net data access layer to retrieve datasets and return generic lists of objects to the controller
* Utilizing the ASP.net user/role application block to allow the definition of users and roles
* Extending the ASP.net user/role application block with a permissions table that defines exactly what a role is
* Utilizing ASP.net AJAX to create a more interactive user interface
* Utilizing the Telerik component suite to allow for a clean presentation of data

**Technologies Used:**  ASP.net 4.0, ASP.net 3.5, VB.net, C#, JavaScript, AJAX, TSQL, SQL Server 2008

#### Project Management Application: As a vendor in the cellphone testing arena, Cetecom requires scheduling of a cellphone test and reporting on tests in progress. At Cetecom, I was responsible for the development of an ASP.net/C# project management application that allows users to add, edit, delete, search, summarize, and distribute project data to end users. The application allows managers to search for projects based on the cellphone being tested and the company requesting the test. Administrators can assign project privileges to users, allowing them to see projects they are responsible for and external users to see the status of their cellphone or cellphone accessory test.

**Routine Technical Tasks Included:**

* Creating an ASP.net/C#/SQL Server user interface to enter, search for, edit and delete test projects
* Creating a user interface to enter, search for, edit and delete users and roles
* Creating a user interface to assign projects to users and roles
* Creating an ADO.net data access layer to retrieve datasets and return generic lists of objects to the controller
* Utilizing ASP.net AJAX components to allow for a clean presentation of data

**Technologies Used:**  ASP.net 4.0, VB.net, C#, IIS 8, JavaScript, AJAX, TSQL, SQL Server 2012

### VISA, Foster City, CA Jun 2011-May 12

#### *Senior Software Engineer*

#### Responsibilities: Responsible for the design and implementation of a fraudulent activity reporting application.

**CAMS Fraud Reporting:** Visa’s current fraud reporting system depends on two main components—a WinForms and command-line based fraud processing module, and a web-based data entry and reporting application. Visa did not have source code for any of the WinForms or command-line applications supporting the website and requested that they be decompiled from IDL using RemoteSoft Salamander and rewritten.

The rewritten solution consists of a C#/SQL Server WinForms processing application using password-less PGP to handle fraud processing and data manipulation, as well as an ASP.net/VB.net/SQL Server web-based application to allow users to see and modify the status of suspected and confirmed fraudulent transactions. Through the web-based application, users can update and modify the status of an existing account, as well as generate reports on the status of groups of accounts.

**Routine Technical Tasks Included:**

* Decompiling a command-line application into C# code
* Commenting decompiled code and making the decompiled code human readable
* Adding the PGP Blackbox library to meet PCI compliance standards
* Creating ADO.net data objects to load data parsed by the command line and WinForms applications into SQL Server
* Creating an ASP.net/C#/SQL Server front end to report data on compromised credit cards and allow management to annotate how a group of compromised credit cards should be handled
* Creating Crystal Reports to report summarized account data to management
* Demonstrating how Crystal Reports can be used within C# command line applications to allow batch processes to generate pdf reports

**Technologies Used:** ASP.net 3.5, VB.net, C#, IIS 7, AJAX, PGP Blackbox, JavaScript, SQL Server 2008, Agile

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