**MICROSOFT CERTIFICATIONS**

**.Net Microsoft Certified Application Developer (MCAD) Current Certifications**

* Developing Web Apps with Visual Basic .Net.
* Developing XML Web Services and Server Components with Visual Basic .Net
* Designing and Implementing Databases with SQL Server 2005 Enterprise Edition.

**Microsoft Certified SQL Server Developer (MCSA) Current Certifications**

* Querying Microsoft SQL Server 2012
* Administering Microsoft SQL Server 2012 Databases

**TECHNICAL SUMMARY**

**Application Design** – Multi-tier, multi-user Windows applications and  .Net Web applications using Ajax, XML, JSON Serialization, HTML, DHTML, CSS, JavaScript and latest code generation tools.  All coding and design uses Microsoft best practices, Microsoft Application Blocks and C# Design Patterns whenever possible.

**SQL Server -**Certified in Relational Database Design and Implementation (SQL Server 2005, 2012). Data ETL (Extraction Transformation and Loading) via SSIS (Integration Services) and DTS packages (SQL Server 2000).  Author, Manage and Publish Reports in SSRS (Reporting Services). Database Optimization via Query and Index Tuning.  Identify and Resolve Deadlock and Blocking Bottlenecks.  Certified in SQL Server 2005, 2012.  Implemented table value parameters, sequential processing without cursors.

**Programming Languages -**C# - 8 years, VB & VB.Net – 12 years , Transact SQL - 15 years,

**Web Languages** - Javascript, HTML, AJAX, XML, CSS, ASP.Net / ADO.Net – 8 years

Current in WCF(Windows Communication Foundation), WWF (Windows Workflow Foundation), TFS (Team Foundation Server), WPF (Windows Presentation Foundation).

**PROFESSIONAL SUMMARY**

* Over 15 years of progressive programming experience using Microsoft development tools and SQL Server,
* Recent experience mostly using C#. Current through 4.0 Framework, familiar with 4.5 Framework.
* Implemented full SDLC (Software Development Life Cycle) using both Agile and Waterfall methodologies.
* Designed software communication with the WCF Service Model. Current using Service Configuration Editor for defining endpoint addresses, bindings and contracts. Experience hosting WCF services on IIS 6 and IIS 7.
* Worked extensively with SQL Server from version 4.2 through Enterprise 2008r2.
  + In process of being certified with SQL Server 2012.
* SQL Server Development skills (Microsoft Certification in Relational Design)
  + Stored Procedures and Triggers
  + Query optimization and index tuning.
* SQL Server Admin skills include SSRS, SSIS, Analysis Services installation.
  + Scheduling backups, restoring databases via restore or attachment
  + Deadlock and Blocking Resolution
* Certified Team Foundation Server 2010 Administrator.

**EXPERIENCE**

**Regional Transportation Commission (Contract) February 2016 – present**

**.Net C#, SQL Server 2012**

**Project**:  TSMS Bus Stop Management System

* Convert an existing MSAccess application to a web based application.
* Increase functionality, re-design application to more closely follow real time workflow.
* Create C# reporting portal to display SSRS reports.
* Bring database to 3rd normal form and produce separate website to administrate the main application.
* Incorporate mobile uploading functionality and mapping into application.

**Pacific Pulmonary Services (Contract)   August 2015 – Oct. 2015**

**.Net C#, SQL Server 2008r2**

**Project**:  Compliance Application ICD-9 to ICD-10

* Implemented and extended website database to be inclusive of ICD9 and ICD10 diagnosis codes.
* Modified User Interface to display new ICD10 codes wherever needed.

**DB Specialists (Contract)   Nov 2014 – July 2015**

**.Net C#, SQL Server 2008r2**

**Project**:  Enhancements to Social Networking/Streaming Video Website

* Implemented and extended website database in SQL Server 2008r2.
* Using IronSpeed, designed and prototyped the UI for stakeholders demo.
* Further Modified Outlook Web App calendar for posting to the network.

**Brayton/Purcell LLC        February 2014 - October 2014**

**C#, SQL Server, Web Application, Database Migration (ETL) (Employee)**

**Project**:  Migrate data from ten year old application to new version.

* Design and implement custom SSRS report portal using C# and SQL Server Reporting Service component.
* Integrated reporting portal into existing .asp web application
* Encapsulated scattered migration sql and processes into SSIS project.
* Provided additional TSQL programming for ETL to new application.

**Space System Loral(Contract)         July 2013 - November 2013**

**C#, VB.Net**

**Project**:  Communication Satellite Antenna Application

* Convert existing application from VB.Net to C#. (10,000 lines)
* Implement complex algorithms necessary for data extraction and to provide data visualization.

**Quantum Secure(Contract)   Jan 2013 - April 2013**

**SQL Server 2008r2**

**Project**:  Hospital Visitor Management Application

* Designed and implemented core patient location process as stored procedure
* HL7 Messages were read, weighted and location was generated for UI.
* Messages were sequentially read without using cursor and speed was maintained by using table value parameters and parallelism.

**DB Specialists (Contract)   July 2012 – Jan 2013**

**.Net C#, SQL Server 2008**

**Project**:  Social Networking/Streaming Video Website

* Designed and Implemented database in SQL Server 2008r2.
* Prototyped User Interface for stakeholders buy-in
* Modified Outlook Web App for presentation layer per prototype feedback.
* Outlook Client was modified to call WCF Services using VBA (Visual Basic for Applications)

**CEB (Continuing Education for the Bar) (Contract)   March 2012- July 2012**

**SQL Server, MS Access, VBA**

**Project**:  Write complex stored procedures that interfaced with a Mass Mail program called Campaign.

* Worked one month, more or less on this.  Followed existing templates for past Campaign projects.

**Project**:  Add functionality to an existing, dual audience facing Access applications front end(s).

* Project included adding programmatic dsn-less connections to multiple databases
* Designing consolidation of existing functionality to meet functional requirements
* Provided after the fact functional requirements documentation.
* MS Access coding done in VBA (Visual Basic for Applications)

**Project**:  Design new database in SQL Server 2008r2 to replace existing SQL Server 2000 design.

* Used SQL Server 2008r2 new features such as table value parameters in the stored procedures.
* Replaced existing de-normalized schema with new structure normalized to third normal form.

**Agilysys         May 2011 - February 2012**

**C#, SQL Server, Web Application, Silverlight  (Employee)**

**Project**:  Team to re-write existing VB6 Hospitality Application from Windows Forms to Web Application.

* Implemented SQL Server 2008 new feature of "table value" parameters in all Update/Insert procedures.
* Updated legacy code written in Visual Basic and VBA (Visual Basic for Applications)
* Introduced Telerik controls as a time saving process.
* No documentation other than the source code from the current application available.  Some information was available from long term employees.
* Head office decided to close the offices effective 2/24/2012.  Other developers chose to work from home.  I chose to find a new company.

**PG&E(Contract)     December 2010 – April 2011**

**C#, SQL Server, Web Application  (Contract)**

**Project**:  Re-write existing Access and Foxpro applications in Microsoft VB.Net with SQL Server backend.

* Extensive documentation by Business Analysts for functional requirements and  developers provided the technical requirement documentation.
* Port existing application into a web portal with social networking user experience.
* My piece was Project Management and the design was a four tier web application implementing an AJAX enabled dot net interface, Business Logic Layer, Data Access Layer and SQL Server.
* Incorporate Microsoft Office components including Excel and Word using Office 14 object model and VBA (Visual Basic for Applications)

**DB Specialists (Employee)       November 2009 – December 2010**

**C#, VBA, Win32 API, Exchange Server**

**Project**:  Modify Outlook Web Access forms for new web application.

* Used Exchange Server .Net SDK in place of Exchange SOAP calls.
* Microsoft Membership model for logon control
* Microsoft Enterprise Application Blocks (Data, Logging)
* WCF Services used for resource access.

**Project**:  Implement calling WCF Services from Outlook Client using VBA.

* Outlook Client accessed WCF Services using MEX moniker.

**Project**:  Design custom control for notification of user search in Outlook Client.

* Outlook search does not provide developer access to any events.
* Used Win32 API to capture and raise event when user starts search.
* Interface and middle tier modifications were done with VBA (Visual Basic for Applications)

**Project**:  Develop .Net web interface to allow users to customize Flash template websites.

* Modify Flash template to read XML file and assign values to Flash parameters.
* Design SQL Server stored procedures to produce XML datasets.
* Design secure web interface using Microsoft Membership model to provide users access to editable fields in

**.Net C#, SQL Server Development**

**Project**:  Design and Implement .Net C# Web Interface for Department of Defense

* Implement four-tier website based on SQL Server Database.  The Data Access Layer used Microsoft Application Blocks for Data Access and all tiers used the Logging Application block.   All data access was through stored procedures.  CRUD procedures, the Business Logic Layer (BLL) and the DAL were produced using automation tools and custom scripts.
* Site data access optimization included transporting multiple DataTables in every DataSet.  The DataTables were Cached and then applied as DataSources to various User Controls.
* Third party Telerik controls were used.  All AJAX calls were implemented through Telerik's interfaces.
* Styling used CSS and Telerik skins.
* Requirements included role based membership. The Microsoft Membership model was used to implement this requirement.
* An industry standard Facilities Management module was also designed and integrated.

**Project:**  Normalize DoD database for use in Afghanistan Defense Integration.

* Modify a SQL Server database from first normal to third normal form.
* Prepare constraints, indexes based on entity relationships and reporting needs.
* Design ETL (Extract, Transform and Load) procedure to import existing data into new schema.

**EBay Motors (Contract) October 2008 – February 2009**

**EBay Web Interface and SQL Server Development**

**Project**

:  Design and build a web interface to eBay Motors that would offer loans, leases and warranties for eBay items.  The interface must have the look and feel of eBay, with integration and consumption of third party API's and  WCF services. (.Net Framework 3.5)

* Four-Tier Web Interface (Application, Business Logic Layer, Data Access Layer, Database) was built in Visual Studio 2008, using custom web controls, AJAX and WCF Services hosted in an IIS application domain.
* C# was used in code behind.
* Logging used batch XML to update the database on close of user Session.
* Styling used Cascading Style Sheets.
* ETL , Data storage and searching via SQL Server 2005, using stored procedures, triggers, and SSIS.
* Excel integration done with VBA.
* Reporting with Crystal Reports.

**Project**

:  Identify cause of deadlocks in existing MAX Finance SQL Server Databases

* Identified deadlock types and causes with deadlock specific traces.
* Resolved deadlocks with shorter transactions and concurrent processing.
* Modified TSQL to include CTE (Common Table Expressions) for optimization and clarity.

**Project**

:  Increase speed in existing MAX Finance SQL Server Databases

* Decreased page waits by moving transaction logs to separate physical drive.
* Ran traces which identified long running queries.
* Created indexes, updated statistics and modified some stored procedures to improve performance.

**EVault (Employee) September 2007 – October 2008**

**Database Developer**

**Project**

:  Rewrite Existing ProMail for Exchange 2007

* Team Lead.
* MS Build Automated Deployment.
* Existing application used Exchange Server web services and was not Exchange 2003 compatible.
* Design included a Multi-tier Windows client and Web based client for Exchange Administration and User Search capability.
* Object models used included were CDO, CDOWF (CDO for workflow), EMO, ADSI, and WEBDAV.

**Project**

:  Add new functionality to existing Product Order Portal.

* C# Web application using .Net 3.5 Framework with Windows Workflow Foundation.
* Created new classes for additional functionality, modified existing workflows, created new WCF Services, modified existing ASP.Net web services, web user controls and javascript functions.
* Modified existing SSRS Reports.
* Four Tier design.

**PMI   (Contract) May 2007 – August 2007**

**Database Development and Proprietary Software Support**

**Project**

**:**  Support and enhance existing mission critical VB6 application. This application had a SQL Server 2000 backend

* ETL data into SQL Server from disparate data sources, including .csv, Access and Excel.
* Primary function was to provide support through TSQL scripts.  These scripts were processed by company DBA's in the production environment.

**DB Specialists (Employee) September 2006 – May 2007**

**Web Based Attorney Directory**

**Project**

Design and implement a regional/national web based attorney directory and administrative tools using  ASP.Net  with C# as code behind forms.

* Team Lead
* ETL from Access into SQL Server from internet screen scrape via DTS.
* Attorney information was provided via a Datagrid.  Stored procedures provide the data access through SQL Data Adapters.
* The web forms were designed to provide advertising space.  Advertising impressions were weighted via stored procedures.
* The database was implemented with a SQL Server 2000 database and uses stored procedures for all data access.
* MS Office integration was implemented using VBA.

**Moved to Area**  **September 2005 – September 2006**

I took some time off while I was selling my home in Las Vegas, buying a home in Walnut Creek and getting moved in.

**Eastridge InfoTech (Contract) April 2005 – September 2005**

**Access/SQL Server Integration**

**SQL Server Optimization**

**Project:** Add functionality and performance to and existing application that used Microsoft Access forms as the user interface to a SQL Server database. Optimum data transfer was accomplished by using MS Access pass through queries.

* The SQL Server database was tuned according to the queries the interface provided the users.
* Queried fields were indexed individually or as composite keys. Query plans were analyzed to provide optimum performance.

**USA Capital April 2004 – April 2005**

**.Net Windows Development**

**Project:** Custom application (iTrack) designed to manage core mortgage lending business data and business rules.

* Four tier .Net C# Windows Forms with SQL Server backend.

**.Net Web Development**

**Project:** Contact Management Web Application for VegasHotSpots.com

* Coded in C# with some Infragistic controls and SQL Server backend.

**TravelWorm Inc. (Employee) February 2004 – April 2004**

**Project: .Net Component Development**

* C# Serviced Component to implement the Authorize.Net Advanced Integration Method credit card payments.

**Project: SQL Server development**

* Developed OLAP Customer Data Mart.
* Auditing existing reports using Transact SQL and Stored Procedures.

**Vectura Systems Integrators (Employee) April 2001 – April 2003**

**.Net Web Development**

Customer Web access to Warehouse Management program.

* Designed and built with .Net using C#.
  + - * ASP.Net and ADO.Net
* SQL Server 7.0 database.
  + - * Stored Procedures and triggers were used.
* (2 Moderately complex applications)

**Project:** LTL Freight & Equipment Management Application

**Senior Visual Basic/SQL Server developer** - on multi-tier logistics program. This large enterprise application consists of multiple SQL Server 7.0 databases. Data Transformation Services (DTS), Transactional Replication, stored procedures and triggers were used. Client was written in Visual Basic 6.0 Enterprise.

**Pacific Bell (Contract) November 2000 – March 2001**

**Third-Party API Integration and Process Design**

* Designed and implemented applications that processed large text files through a third party geo-coding API.
* De-engineered existing applications and analyzed processes for correctness and optimization.
* Updated RDO data access to ADO and migrating Visual Basic dynamic SQL to SQL Server 7.0 stored procedures.

**Project:** **GIS System**

**Senior Design Developer** - Using a third party geocoding API, an object oriented program was designed that used the File Scripting Object for file access and a class that managed individual record processing. A large text file was opened, each fixed field record was appropriately parsed and fed into the API. The API return values were concatenated per requirements to construct a geocode that PacBell used to determine high cost phone lines. Throughout the process, logs were updated and VBA was used to construct Excel spreadsheets. This application processed 10,000 records per minute.

**Project: DBUpdate**

* Depending on the type of geocoding (there were four types) a SQL Server database was updated to reflect the new type and effective date.
* The old program was modified by replacing RDO with ADO and moving the SQL into a stored procedure.

**Project: DBReport**

* Per specifications, this program created Public Utility Commission reports from a SQL Server 7.0 database in Excel via Visual Basic for Applications (VBA).

**Contra Costa County Health Services (Contract) March 1998 – October 2000**

**Web Applications**

* Designed and programmed internet and intranet web applications for the Contra Costa County Health Services Department.
* These applications were built using InterDev.
* Client side validation using Javascript.
* VB COM components were packaged on Microsoft Transaction Server.
* ADO 2.1/2.5 for data access. The components were called from ASP pages.

***Project: County Internal Phone System-*** Allowed users to search for county employees. Managers, via password control, updated information in their departments.

***Project: Mental Health Provider System -*** Web access to Mental Health providers, office hours, availability.

***Project: Homeless Client System -*** Web access to Homeless Client data.

***Project: Health Plan Provider System -*** Web Access to Contra Costa Health Plan providers, plans, office hours, locations.

**Client Server Applications**

* + - * Designed, implemented and managed client-server applications for the Contra Costa County Health Services Department.
      * The GUIs were built using Visual Basic or Microsoft Access.
      * Most applications were three tier and used VB COM components on MTS.
      * ADO and DAO as data access. Databases were SQL Server 7.0 or Access 97. All SQL Server data accessed via Transact SQL stored procedures.

***Project: Mental Health Management System-*** 20 Concurrent users. Access 97 GUI and Report Generator. SQL Server 6.5 Backend. N-tier. DAO Data access.

***Project: Health Plan Provider Credentialing System-***  25 Concurrent Users. Visual Basic 6.0 GUI and Report Generator. SQL Server 7.0 Backend. N-tier. ADO Data access. VBA MS Office integration, 120 table relational database design.

***Project: Healthcare for the Homeless Management System -*** 7 Concurrent Users. Visual Basic 6.0 GUI with Access 97 data storage. This system used laptops in the field and updated through replication with a master Access database. 2 tier. ADO Data Access. Access 97 Replication

***Project: Target Case Management System-*** 1 User. Access 97 for GUI and database. DAO data access, VBA (Visual Basic for Applications) code behind the forms.

***Project: Basic Adult Care Management System*** - 30 Concurrent Users. Access 97 GUI and Report Generator. SQL Server 7.0 Backend. DAO Data Access.

***Project: Clarion Data conversions -*** Extracted and converted data from Clarion database systems for transfer to SQL Server or Access databases.

***SQL Server Expertise***

* + - * **Modeling** - Designed all relational models for applications using first through third as well as Boyce-Cobb normal form.
      * **SSIS (SQL Server Integration Services -DTS (Data Transformation Services) -** Created scheduled DTS packages via interface and custom scripting. Multiple packages were run sequence and scheduled to run at varying times via Windows Scheduler and via code.
      * **SSRS (SQL Server Reporting Services)** – Authored, Managed and Published reports of varying complexity.
      * **Stored Procedures/triggers** - Wrote new stored procedures and triggers for new applications as well as optimized Transact SQL in existing applications. Tuning tools included SQL Server Profiler and SQL Server Analyzer.
      * **OLAP and OLTP** -Implemented data warehouse structural change from snowflake to star configuration to enhance reporting performance. Performed performance tuning and optimization of production application databases.

**EDUCATION**

Chapman University 1997, Fairfield, Ca.

Bachelor of Science ~ Computer Information Systems