

Randy E. Hoover (Software | Database Engineer | SQL DBA)

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EDUCATION

1973 Santa Monica City College: 2 year degree in Architectural Technologies.
1974 to Present Continuous PluraSight training to keep abreast with latest MS technologies and an MSDN developers license since 2002. Currently studying for Certification in various C# / SQL techniques.
Attended UCI, SDSU, and UCSD: Studies included mathematics, physics, and programming with an emphasis on engineering motion control systems

PROFESSIONAL SUMMARY

27+ years in software and database design / development using various modern languages: C#.NET / ASP.NET, AJAX, jQuery, Visual Basic, Adobe FLEX, Office Automation, and classic ASP to produce eCommerce B2B applications incorporating the latest MS technologies and practices: MVC / OOP / SOA. Project experience includes full life cycle development and project management. SOA architectural approach to design and development. TDD.

Currently using: VS 2013 & VS 2015, SQL Server 2014 for development environment.

Latest projects: <http://www.Dudek-CPR.com> and <http://www.HeadEndHUB.com> (see <http://www.HeadEndHUB.info> for demo) MVC 5 using EF6, AJAX, Javascript, jQuery, C#, SQL 2014, Email using .NET Mail – latest MS functionality with ASP.NET MVC Security. HTML Editor, Image Zoom Controls, with Paging, Search and Filtering functionality.

TECHNICAL PROFICIENCY SUMMARY

Web Experience: MVC 4-5 - incorporating C# ASP.NET, EF6 (code first and DB first), AJAX, Javascript, jQuery, C# Generics, CKEditor, PagedList, ZoomElevator controls, custom imaging libraries, SOA objects for accessing many functions on site and Async Task functionality. Started in Classic ASP, 18 years ago, creating websites using ADO.NET.

Desktop Application Experience: WPF using MVVM | Prism | Unity | MEF and unit testing (MOQ, MS, NSubstitute, NUnit), ASP.NET, ADO.NET, Bing Mapping Software, ASP Email. Started with Visual Basic 3.0-6.0 desktop applications. WPF applications with an emphasis on data driven and motion control applications. MSDN developers license and experienced in MS Office automation and content management systems. Started with VB WinForms and progressing through to ASP.NET. Using various 3rd party controls – also building custom controls.

SQL Server: An extensive knowledge of MS SQL Server 2014 Transact-SQL, Stored procedures, User-Defined Functions, Views, Triggers, DTS/ETL, Replication, SSRS, Notification Services and MySQL. SQL Stored procs, and EF using LINQ and Lambda querying.

OS: Windows 7/8.1 and 10 - Started with MS-DOS 3.2.1 and previous experience in UNIX.

Disciplines: A thorough knowledge of IT support including DNS configuration, MS Exchange Server 2007 Windows Server configuration & setup using IIS 75 (Web/FTP configuration), Active directory, and networking servers including router setup & TCI/IP configuration. WCF Web services and windows services. **SOLID** design patterns

Home office: Maintain, configure and support 4 Web/Email/DNS servers and 3 SQL 2008 R2 / 2014 servers.

PROFESSIONAL EXPERIENCE

Consultant for project:CADD, TriStaff, Eastridge Group and RHI

February, 2000 to Present – example code: <http://docs.projectcadd.org/Docs/code.zip>.

Responsible for design, development and implementation of MS SQL Server Databases, C#.NET Multi-Tiered Client/Server applications using previously mentioned technologies for these companies:

- **HeadEndHub.info 1/2016-present (phase 2 and 3 – see description below)**
- **Dudek 6/2016-9/2016** (MS SQL 2014 DBA / C# MVC 5) Accounting system, HR system application, SpaceTracker system, IT Help Desk, Sharepoint Online Migration, SQL Server migration of 53 databases for 10 in house applications. Support to Accounting, Publishing, Marketing, HR Bio, Hydro and several other of their divisions.
- **HeadEndHub.info 2/16-6/2016** (MS SQL 2014 / C# MVC 5 purchasing site for high end electronics). Agile | Scrum, unit testing, all responsibilities for life cycle functionality. 2 Search engines, shopping cart, complete admin interface to customize website. Member interface with secured logins.
- **AI World 1/16-4/16** (MS SQL 2014 / C# MVC and WPF (MVVM | Unity) interface system). Agile | Scrum, unit testing, all responsibilities for life cycle functionality.
- **Asymtek Nordson 6/15-12/15** (MS SQL 2014 / C# MVC and WPF (MVVM | Unity | MEF) custom motion control system). Agile | Scrum, unit testing, all responsibilities for life cycle functionality.
- **SonarTechnologies.org 6/15-7/15** (MS SQL 2014 / C# MVC and WPF using sonar devices)
 - Design/develop a system to calculate and report Retention ponds/lagoons to measure hog excrement solid matter in cubic feet and liquid matter in gallons (Reports to EPA).
 - MVC web interface with reporting and admin functionality
 - WPF desktop interface with reporting and admin functionality
- **Merlin CSI 10/14-5/15** (MS SQL 2014 / C# WPF using MVVM design / bindings)
 - Design/develop a Macular Pigment Reflectometry system (win8 touch screen):
 - 2 USB Cameras with Video Streaming, Crosshair and Flash setup functionality.

- Solenoid / Shutter activated by Fixation target for Macular Pigment Density adjusting.
- Software interface to decipher the signal from the Spectrometer and Fiber Optics from the Fixation target.
- Camera popup forms required Windows Form Hosting (user control set in a WPF form)
- Solenoid / Shutter required reconfiguration of an ActiveX control interface.
- Docs: <http://docs.projectcadd.org/Docs/MPR.pdf>.
- **Barney and Barney 11/13-5/14**: Developed an Online Renewal Questionnaire application (Client portal and admin interface). C# & SQL SPs/FTNs. ASP.NET Website with Forms authentication, Master page configuration with SSRS reports (all MS standards).
- **Merlin CSI 4/13-7/13** (MS SQL 2008 R2 / C# WPF/WCF)
 - Design/develop motion control systems for Merlin clients:
 - Created a WCF application, for Alere, using C# WPF to interface with Merlin's WCF motion control objects and their SQL database objects (WCF connection using TCP/IP to interface with clients' PLC devices).
 - Assisted with developing WCF/WPF/SQL interface to FluidMove G5 motion control system – for GUI and motion control engine.
 - Using various Telerik controls and DevExpress reporting objects
- **SD4Less.org 5/11-12/12** (MS SQL 2008 R2 / C#.net / WCF / SOA / XML)
 - Design/develop an Advertiser Website (www.SD4Less.org)
 - C# ASP.NET website incorporating:
 - jQuery for Advertiser / Event banners
 - AJAX controls (w/jQuery & javascript coding):
 - Tabs
 - Accordions
 - Hover extenders
 - Panel extenders
 - XML parsing and consuming to SQL database
 - .Net Mail for all email correspondence with advertisers, members and admins
 - SSRS reporting functions
 - MS Charting functions
 - ADO.NET adapters for all database functions
 - SQL database engine (DLL) / 150 Stored procedures, FTNs, Views, Triggers
 - Forms authentication using MS Profiles / active directory
 - WCF interface to maintain membership / email verification to SQL database
 - Windows services to poll site for validation of custom services.
 - Advertisers based site for members to access and print discount vouchers for their products / services
 - SQL database driven website with Content Management Access for all Advertisers, Members, and admin users.
 - Docs: <http://docs.projectcadd.org/Docs/admin.pdf>
<http://docs.projectcadd.org/Docs/HomePage.pdf>
- **Merlin CSI 10/11-3/12** (MS SQL 2008 R2 / C# WPF/WCF)
 - Design/develop motion control systems for Merlin clients:
 - Created WPF/SQL application to interface with Paul Corp. reversed osmosis membrane machine to authenticate and report on membrane accuracy
 - Using various Telerik controls and DevExpress reporting controls
 - Docs: <http://docs.projectcadd.org/Docs/CofAScreenShots.pdf>
 - Created original GUI interface to FluidMove G5 motion control system – for GUI and motion control engine. WPF/SQL interface using WCF (TCP/IP)to communicate with motors, valves and conveyor system.
 - Using Telerik controls and DevExpress reporting objects
 - Docs: <http://docs.projectcadd.org/Docs/AsymtekLatest.pdf>
- **FITBPO / Crunch 03/11-04/11** (MS SSRS 2008 R2 & SQL VS Business Intelligence interface)
 - Design/develop business reports functions for clients
 - SQL Stored procedures for creation of reports with SSRS
 - SQL FTNs for all math/calculation functions
 - Set up all report scheduling
 - Set up and maintained in house SQL servers
 - Docs: <http://docs.projectcadd.org/Docs/FitBPO Reports.pdf>
- **Navy Seals (NSWC) 04/09-11/10** (XML / FLEX / C# drivers / SQL & training model WCF engine)
 - Design/develop Navy Seals training Database architecture

- C# ASP.NET website incorporating:
 - XML parsing / consuming to SQL database using SPs, FTNs, Views, Triggers
 - .Net Mail for all email correspondence with advertisers, members and admins
 - SSRS reporting functions / MS Charting functions / ADO.NET database functions
 - Forms authentication using MS Profiles / active directory
- WCF interface to maintain membership / email verification to SQL database
- Windows services to poll site for validation of custom services.
 - Docs: <http://docs.projectcadd.org/Docs/HomePageAndRoster.pdf>
- **Callaway Golf 03/08-10/08** (C# winForms / SQL)
 - Design/develop Migration system for Oracle 8.1 to SQL 2008
 - C#.NET application incorporating:
 - ADO.NET adapters for all database functions
 - SQL database engine (DLL) / 100s of Stored procedures, FTNs, Views, Triggers
 - Windows services for validation of custom services.
 - Docs: <http://docs.projectcadd.org/Docs/mirgration%20process.pdf>
- **Eplica Services 11/07-3/08** (design/develop C#.NET/SQL2005 VB6) website maintenance
- **Navy Seals (NSWC) 04/07-10/07** (design/develop C#.NET/SQL2005) Navy Seals training DB
- **Digital Force Tech 07/06-03/07** (design/develop C#.NET win/webForms for DOD contracts)
- **InternetCrusade 04/05-06/06** (Proj Mgr Internal System Multi-Tiered C#.NET win/web / SQL)
- **Northrop-Grumman 06/04-01/05** (Police Database VB / SQL / COM Client/Server / C# ASP.NET)
- **Complete list of all other projects, companies and references upon request.**

(Current resume revised 11/28/2017)