JIM HORN

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Independent Microsoft SQL Server database and business intelligence developer specializing in SSIS, SSRS, and T-SQL.

Microsoft CERTIFIED Professional | MCP 2.0 -- Certified Professional

Currently available for contract assignments.

SKILLSETS
SQL Server SSIS, SSRS, Data Warehousing, Business Intelligence, Power Pivot, Dashboards.

Other Databases and ETL tools Access, Oracle, Informix, DB2, Talend, DataStage, Salesforce.com, Pragmatic Works.

Emerging SQL Skills SSAS Tabular, SSAS Multidimensional, Data Mining, PowerView, PowerQuery, PowerMap, DAX, MDX, XML, VB.NET Scripting, C# Scripting, Power Shell, Data Modeling, Master Data Services, Data Quality Services, Change Data Capture, Full Text Search, Service Broker, SalesForce.com SOQL, Facebook API, Twitter API, HubSpot.

PUBLICATIONS

Article Name	Date	Description
SQL Server: T-SQL recipe to create a million sample people (link)	07/30/2013	A how-to to create a table with a million rows of sample people with addresses, phone number, date of birth, and other demographic columns. The best uses are to de-identify existing data, or create realistic-looking data from scratch.
T-SQL: Identify bad dates in a time series (link)	08/15/2013	A lessons-learned of dealing with various insurance clients and their needs in identifying gaps or overlaps in a 1:M table time series.
Build your own SQL calendar table to perform complex date expressions (link)	09/02/2013	A demonstration of SQL Server T-SQL script that will build a calendar table, and demonstrate ways to easily query it to perform what would otherwise be complex date expressions.
SQL Server CASE Solutions (link)	10/25/2013	A demo of multiple T-SQL CASE block uses.
SQL Server GROUP BY Solutions (link)	09/30/2013	A demo of T-SQL GROUP BY block uses.
Requirements Document Template for a Reporting Project (link)	08/07/2013	Based on my development experience as an SSRS, Crystal Reports, and Access developer over the years.
Table Based Access Variables (link)	12/26/2013	How to create your own variables in Microsoft Access that can be used anywhere and saved between user sessions, resulting in making life easier on users, make maintenance easier for developers, and frames up Super Awesome Developer Ninja Stuff!
Migrating your Access Queries to SQL Server (link)	03/19/2014	A 101-level overview of migrating your Microsoft Access queries to SQL Server Transact-SQL (T-SQL query language.
Consulting & Contracting: How to go out on your own (link)	03/20/2014	A 'how I did it' of converting from a full-time employee to an independent contractor with my own business.
Excel & SQL Server: Self Service BI to give users the data they want (link)	05/18/2014	How to build an Excel spreadsheet that allows users to enter select values via populated combo boxes and hit a magic 'Go' button that retrieves only that data from SQL Server based on those selections, using nothing more than standard Microsoft Excel functionality and an ODBC Connection.
SQL Server Delete Duplicate Rows (link)	08/17/2014	A montage of common Microsoft SQL Server 'How to delete duplicate rows?' solutions.

EDUCATION

Master's in Business Administration (MBA)	Service Operations Management	University of Minnesota	1997
Bachelors of Arts Degree (BA)	Accounting	Michigan State University	1991

MICROSOFT EXAMS PASSED

70-461, Querying Microsoft SQL Server 2012, June 2013 (MCP)
70-069, Application Development with Microsoft Access for Windows '95 January 2000.
70-051, Microsoft Access 2.0 Application Development, May 1998 (MCP)

FULL-TIME EXPERIENCE

<u>Contracts and employment as primarily a Microsoft SQL Server database developer</u>

Brightpeak Financial   Enterprise Data Architect   April 2015 – Current
Responsible for Business Intelligence development, business unit engagement, and data architecture for a 70-person financial services company.

UHG / Optum Health   SQL Server Developer   November 2014 – April 2015
Contract SQL developer building SSIS packages that consume Salesforce.com data and load a data warehouse.

Sun Country Airlines   SQL Server Developer   March 2014- October 2014
Contract SQL developer building multiple SSIS packages and SSRS reports, including SQL Server, Oracle, Informix, and Talend.

Cenex Harvest States (CHS)   SQL Server Developer   July 2013-February 2014
Contract SQL developer building multiple SSIS packages dealing with client ACH payments, ETL from DB2, JDEdwards, XML, and SQL sources into SQL Data Warehouses. Multiple SSRS reports.

OptumInsight   Sr. Consultant / SQL-BI developer   February 2012-July 2013
Project based consultant. Built three SSIS packages and eleven SSRS reports for a STARS Dashboard project that manages Medicare providers. Built one Access front-end, SQL Server back-end workflow and auditing program. Other project estimation and mentoring duties as assigned.

c2 IT Solutions / Insignia Health   SSIS / SQL Developer   November 2011-January 2012
Contract SSIS and SQL developer building a package to import an 834 XML file and load data into client's SQL 2008 R2 database. Last production run was a 1.5 Gb file in 40 minutes. Heavy requirements gathering and elicitation and T-SQL.

Univita / Long Term Care Group   SQL Server Developer and Manager   January 2008 to October 2011
2009-2011 Data Services Manager responsible for up to a dozen local and offshore SQL Server SSIS-SSRS-TSQL-DTS and Access VBA developers performing around 200 ETL and BI projects a year.
2008-2009 Principal Programmer-Analyst working with SQL Server stored procedures, DTS and SSIS packages, and Access databases involving heavy analysis.

<u>Contracts and employment as primarily a Microsoft Access database developer</u>

Fair Market Life Settlements   VB6, SQL2K, Crystal, Access, Excel VBA   November 2005-January 2008
Responsible for all software development and support for a small financial services company. Two SQL 2000 databases with stored procedures and replication, two VB6 OO applications, two Access databases, over 200 reports using Crystal Reports, ASP, and Word mail merges, and a large third-party Excel spreadsheet with heavy VBA. Included contractor supervision.

Integris Metals (now Ryerson)   VB6, Access, and MS Graph Developer   May-November 2004, March-Nov. 2005
Contract Access XP, Visual Basic 6, and MS Graph programmer. Built a financial indicator tracking application with data-driven MS Graph functionality that exports to Mail, Reports, and PowerPoint. Build a Windows Explorer-like Knowledge Repository in VB6 that allows users to store and retrieve documents. Heavy Access VBA, Office VBA.

Chronimed (now BioScrip)   SQL Server and Access Developer   November 2004-March 2005
Contract SQL Server and Access developer. Analyzed customer requirements, built a SQL Server data warehouse and Access reporting application for a medium-sized distributor.

American Express   Access Programmer   April 2004-May 2004
Contract Access XP programmer for a sales unit. Built an annuity data entry, calculation, and reporting application complete with documentation in three weeks. Heavy Access VBA.

Target   Senior Programmer/Analyst   December 2003-April 2004

Contract Access 2000/XP programmer for the Transportation Group. Built a distribution center inventory control and tracking application. Redesigned an in-house reporting database that captures scorecard-like data for Consolidation Centers, Distribution Centers, and Shippers.   Some BA and business process re-engineering.

GMAC-RFC   Senior Programmer/Analyst   July 2003-November 2003
Contract Access/SQL Server programmer for the ICG Group. Performing as lead developer for an Access/SQL application that performs data entry for mortgage due diligence teams. Heavy Access VBA, import-export, forms and reports.

Jostens   Senior Programmer/Analyst   1999-2003
Visual Basic and Access programmer for the Selling Chain Applications group. Supported and enhanced over 15 Access, five Visual Basic, and four ASP/Web applications used by an 800+ sales force to sell Jostens rings, yearbooks, and photography products.

Northwest Airlines   Programmer/Analyst   1997-1999
Microsoft Access 2.0/97 programmer supporting two large travel agent sales accounting applications for domestic and international travel. Supported a database which handled the Passenger Facility Charges by airport and its distributions. Also supported 15 data entry applications that were used to enter employee travel, related industry employee travel, benefits elections, and 401k elections.

Employment as an accountant
Mystic Lake Casino   Finance and Systems Analyst   1995-1997
Accountant and Microsoft Access Developer for the Hospitality Division.   Responsible for reporting, general ledger, variance analysis, inventory control, and special projects. Created and supported multiple Microsoft Access accounting applications.

University of Minnesota   Accountant to Senior Accountant   1993-1995
Staff accountant for the AHPCRC and Plant Pathology departments. Responsible for general ledger, reporting, forecasting, payroll, effort certification, audits, internal service organization accounting, purchasing, and other duties.

General Mills   Financial Associate   1991-1992
Entry-level finance and accounting position for the Gold Metal Flour (then Sperry) and Export departments. Responsible for variance and cost analysis, audits, reporting, forecasting, analysis, and other duties.

VOLUNTEER EXPERIENCE
Experts-Exchange.com   Volunteer   2004-Present
2015 to Present   Page Editor, which involves reviewing technical articles for publication, and determining various award statuses.
2013 to Present   Topic advisor in the SQL Server zones.
2005 to 2007   Co-Topic advisor of Visual Basic, VB Databases, VB Controls, and Microsoft Access zones.
2004 to Present   Answered questions and solved problems for website membership holders as a volunteer.

SQL Saturday #238   Presenter   2013
Presented SQL Server: T-SQL recipe to create a million sample people (link) to 30 attendees.

Ranked #1 expert in Microsoft Access Topic Area (TA) April-May-June 2005 and VB Databases TA July 2006.

PART-TIME TEACHING AND LEADERSHIP EXPERIENCE
US ARMY NATIONAL GUARD   Private to Captain (Part-time, weekends)   1985-1997
Part-time member of the Michigan and Minnesota Army National Guard. Leadership training through Army R.O.T.C. and various Fort Knox-based courses. Served in increasingly-responsible positions supervising 11 to 71 soldiers.

ACADEMY COLLEGE   Instructor (Part-time, evenings)   May 2003-September 2003
Teaching Microsoft Office 2000 two nights a week to 14 non-computer programming students during Summer Term 2003.

EXECUTRAIN   Instructor (Part-time, contract)   March 2003-May 2003
Taught Microsoft Visual Basic 6-Development, Microsoft Access 2000/XP-Beginning to Development, and Excel VBA-Development to classes of two to 14 students.

BENCHMARK LEARNING   Instructor (Part-time, contract)   2011-2012
Taught three Access VBA classes.

BOY SCOUTS OF AMERICA   Various Adult Volunteer Positions 2006-Present
Served for two years as the leader of a group of 75 Cub Scouts from first to fifth grade and 20 adult volunteers.
Create schedule, assigned and managed leaders, provided overall pack direction, and lead monthly events.

VARIOUS   Developer (Part-time, evenings)   March 2003-April 2009

Various part-time development and mentoring work with small business, mostly in Microsoft Access.

SOFTWARE SKILLS

Microsoft SQL Server	7 years, data modeling, SSIS, SSRS, DTS, TSQL, staff management.
Microsoft Visual Basic 6 / .NET	4 years, built or supported six distributed applications.
Microsoft Access	10+ years, built or supported around thirty distributed and networked applications.
Crystal Reports	One-half year supporting existing reports
Microsoft MTS / COM+ / IIS	2 years of creating COM objects and maintaining development sites
HTML / DHTML / ASP	3 years, built or supported five applications.
Object-Oriented Programming	1 year, used on two applications.
Wise for Windows Installer	1 year, deployed four applications using Wise Installer 8 and WfWI 3.5
Windows Help/HTML Help	One-quarter year, deployed two applications in support of existing apps.
IBM Data Stage	Familiarization and some reverse engineering
Cognos	Familiarization

SOFTWARE ROLES

Staff Manager / Architect	Two years managing + architect for an ETL shop of up to a dozen developers.
Developer	Developed software in SQL Server, Visual Basic, Access, ASP, HTML, Java
Project Manager	Managed projects as PM on demand for projects I have developed or staffed
Project Lead	Supervised projects as Project Lead over other developers
Business Analyst	Facilitated business users requests for IS projects and reverse-engineered existing ones
Graphic Artist	Edited and created images in support for Web projects I have developed
Trainer	Trained others in Visual Basic and Access on-demand
Level 2-3 Help Desk Support	Created Help Desk diagnostic scripts and FAQ's to allow Help Desk to support app
Tester	Created and executed testing scripts for my projects and others
IS Business Liaison	Coordinated with business units to best translate their needs into actionable projects

SOFTWARE EDUCATION

Wise for Windows Installer for Developers	Mastering Visual Basic 6 Development (MOC 1013A)
Wave Interactive MCSD Study Kit	Mastering Web Application Development (MOC 1017A)
Ongoing technical training	Microsoft Access Basic, Intermediate, Forms and Reports, and Advanced Training

LEADERSHIP EDUCATION

IT Master's Program at Benchmark Learning

Jostens Project Management Training	U.S. Army Armor Officers Basic Course
General Mills Total Quality Training	U.S. Army Armor Office Advanced Course (Phase I)
Dale Carnegie Management Seminar	U.S. Army R.O.T.C at Michigan State University
U.S. Army Instructors Training Course	U.S. Army Scout Platoon Leaders Course

SOFTWARE PROJECT DOCUMENTATION authored:

Offshore Entry/Exit Criteria	Software Standards Documents	Concept Documents
Requirements Documents	Implementation Plan	Project Charter
Design Document	Warranty and Support Plan	