

SUMMARY

I have extensive experience in various Information Technologies and Engineering fields (such as, database & software engineering, system designing, software quality assurance and project management). Throughout my career, I have worked with Fortune 500 and internationally recognized companies, and worked on projects involving leading edge technologies. I can work independently, or as part of a team, with equal effectiveness.

I am familiar with current technology trends and have a good understanding of the issues and opportunities offered by the Internet, advances in wireless and mobile computing, and data mining. I specialize in designing and developing high-end, enterprise-wide solutions around the SQL Server (including SQL 2016), Oracle, MS-Access, C#, Visual Basic, .Net, XML & Windows Mobile platforms. I can develop applications with Windows Forms, use WCF (Windows Communication Foundation) and WPF (Windows Presentation Foundation). I have also developed Web applications using MVC, ASP.NET, HTML, JavaScript, VBScript, CSS, AJAX, Razor, etc.

I am result-oriented and motivated by challenging assignments. I am very flexible in adapting new technology trends that are introduced frequently. I have experience in Quality Assurance (QA) and SQL Server tools; such as Report Builder, Crystal Reports, SSMS, SSDD, SSRS and SSIS.

PROFESSIONAL EXPERIENCE**Database Architect & Developer, and IT Project Manager**

11/2000 – Present

- ❖ Worked as a database consultant with numerous companies (namely, Alliance Bancorp, California Univ., Cisco, CSFB, IBM, US Bancorp, Thomas Weisel Partners, Trend Micro and Wells Fargo). Involved with all aspects of software development life cycle, including developing proposals, preparing specifications and designing, software coding, quality assurance, testing and installation; as well as, documentation & training.
- ❖ Extensive experience in creating tools for data migration, data transformation & automated data processing.
- ❖ Designed and developed numerous enterprise-wide database management systems, including systems for managing mortgages, investment portfolios, debt settlement services, medical offices and claims processing, conferences, airline revenue, venture capital services, contacts, pharmaceutical depot and distribution, retail pharmacies, professional societies, company accounts and salary administration using various platforms.
- ❖ Well versed in Visual Studio.NET & Windows Mobile technologies for developing client/server, intranet and Internet solutions. Instructed several information technology related courses.

Science Applications International Corp., Los Altos, California

8/1988 – 5/1993

Manager, Information Laboratory

- ❖ Responsible for developing the concept of an Information Laboratory where leading edge technologies were to be demonstrated in real-life situations; such as the Internet.

Manager, Software Quality Assurance

- ❖ Responsible for developing and maintaining a software QA program. Developed QA plans and procedures for assuring quality during all phases of the software life cycle. Handled internal and external QA audits.
- ❖ Involved in the development, enhancement and maintenance of software used in nuclear power plant maintenance and engineering analysis; and for developing technical and user documentation.

Project Manager/Team Leader

- ❖ Worked on several projects in various capacities such as project manager and technical task leader. Led the task for developing a repository of ten safety studies of nuclear power plants, as well as Task leader for documenting NRC review comments on 17 nuclear power plant safety studies.

Electronic Data Systems (EDS), Troy, Michigan

5/1985 – 8/1988

Manager, Project Development

- ❖ Developed proposals of more than US\$30 Million in revenue and was involved in implementing information technology projects worth over US\$20 Million. Managed numerous hardware and software projects through various phases of concept, design, pricing, justification, procurement, implementation and maintenance.
 - ❖ Designed software for data acquisition, analysis and management, and for data base integration.
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ACADEMIC QUALIFICATIONS

- ❖ **Master of Science In Mechanical Engineering** - University of Kentucky, USA
- ❖ **Bachelor of Science In Mechanical Engineering** - N.E.D. Engineering College
- ❖ Attended numerous professional and leadership development courses, seminars and conferences

RECENT SOFTWARE DEVELOPMENT PROJECTS

Company	Project Name
Practical Software	<p>2016/2017 – Touch View Survey Software</p> <p>Developed a touch-screen solution for creating multi-lingual surveys for use at conferences and corporate events. Originally this tool was developed in MS-Access 2003, but now it has been upgraded to work with MS-Access 2016 as the front-end, and both MS-Access 2016 and/or SQL Server 2016 as its back-end.</p> <p>The survey database is organized in such a way that it allows performing Data Analysis across multiple surveys, and even across multiple languages. It also contains a Language Translation Tool to translate Survey Q&As into many European Languages. You can create Surveys in as many LTR (Left-To-Right) Languages as you want; e.g., English, French, German, Spanish, Italian, Greek, Danish, and many others.</p>
Certified Ticket Registry	<p>2014/2015 - Certified Safety Ticket Registry (MVC 5)</p> <p>Created a commercial website using MVC 5 with C# in Visual Studio 2013 and SQL Server 2014.</p> <p>Core features of the project included Membership Management, Registration, Certified Safety Ticket information, integrated Payment Processing with credit cards, and System Administration Tools with automated Membership and Safety Ticket Expiration Notices, User interface is managed through Roles assigned to each Registered User, Staff and Admin account. Standard marketing segments are displayed for non-members.</p> <p>Bootstrap was used to display content according to the device-width and display size.</p> <p>A Windows Service tool for emailing Expiration Notices, and for Payment Confirmation Processing from RC4 Encrypted XML Transactions sent by the Credit Card Service.</p>
National Debt Settlement Company	<p>2002/2016 – Debt Settlement Manager</p> <p>This application was originally developed in MS-Access 2000/2003+ with SQL Server 2000+. It seamlessly integrated all activities related to the company's Client Services, Account Services, Settlement Services, Electronic Fund Transfers, Accounts Receivables and Agent Commissions. It also accessed additional client information through XML data imported from a third-party Web Service into a new tab on the Client Form's user interface.</p> <p>This system has been recently upgraded to Microsoft Access 2013 with SQL Server 2014, and it has been re-designed to work in a Cloud Environment.</p>
California State University	<p>2012/2014 – American Language Program – Statement of Fees (ALP-SOF)</p> <p>This application is used to assist in managing the American Language Program (ALP) of a California State University. ALP is a critical part of the University's Extended Education (UEE) Program, and its admission and registration process is handled by several administrative departments.</p> <p>The Statement of Fees (SOF) system was created to automate and centralize all ALP-related activities of these departments. It is a Windows Desktop Application. It uses Windows Forms Methodology programmed in C# on Visual Studio 2010 connected to a SQL Server 2008 R2 database.</p> <p>This custom application uses many advanced features of resizing dozens of forms and grid views to make it easier for the users to search and work with the data they need in a variety of ways. Report Builder 3.0 was used with SQL Server Reporting Server.</p>

RECENT SOFTWARE DEVELOPMENT PROJECTS	
Company	Project Name
National Bank	<p>2008/2009 – Currency Transaction Reporting (CTR) System</p> <p>Used C# in Visual Studio 2008 with MS-SQL Server 2008 to develop an enterprise-level, intranet Web application to monitor, process and report currency transactions as required by the Federal Regulations CTR 010 and CTR 020. Extensive search capabilities were created, which interacted with the database through stored-procedures. The user interface also used the Grid View, and included a lot of code to customize its behavior based on the underlying content and user mode. Access to all Site Map Nodes was determined through roles assigned to each user by the CTR Management. Users were identified through their login credentials and Windows Accounts.</p> <p>The application also included a File Watcher Service that monitored a network folder whenever new files arrived and loaded the data automatically into the database. Data and format related errors and/or messages were posted into the Server's Application Event Log, as well as an Email notification was sent based on parameters specified in the web.config file. Internet Information Service 7.0 (IIS 7.0) was used for website control on an internal Windows Server. Crystal Reports was used for creating reports.</p>
Major User	<p>2007/2014 – Coin Collection System</p> <p>Used MS-Access 2013 with SQL Server 2012 to integrate tracking, purchasing and marketing of an extensive coins collection that included single, as well as multiple coins. It handles unlimited collection of images, as well as details about each coin in the group and their professional grading condition.</p>
Thomas Weisel Partners	<p>2007/2008 – Convertibles Trading System with Bloomberg Integration</p> <p>The front-end of this application was developed in C# with WPF using Visual Studio 2005 with Oracle 10g database to create a complex, yet flexible, sales system for trading convertible bonds and stocks. The application displayed live trading data from the Bloomberg API on numerous forms using WCF. Visual Source Safe was used to manage the application development process that required multiple programmers working with an Agile implementation in two different countries.</p> <p>The front-end used Windows Forms technology, User Controls and XML, which allowed users to customize their interface by moving, opening or closing dock able panes as and when needed. The user interface made extensive use of Infragistics controls, such as the Dock Manager and the UltraWinGrid. Oracle 10g automation was achieved through hundreds of Views, Stored Procedures, Packages and Functions.</p>
Trend Micro Systems	<p>2007 – Data Migration Plans, Use Cases and QA Procedures</p> <p>Created data migration plans, QA procedures and Use Cases for moving mission critical data to a new system. This project required working with an international team on three continents using the Agile software development methodology.</p>
Alliance Bancorp	<p>2006/2007 – Alliance Tools Add-In for DataTrac and Other Databases</p> <p>Created several tools for loading into and extracting mortgage data from corporate databases including DataTrac, FICS and Empower. These tools were used to support Secondary Marketing and Warehouse Banking, and involved MS-Excel Add-Ins for Posting Commitment Data, Resetting Commitment Data, Posting Loan Data, Confirming Locks, Posting Conduit Data, Posting Purchased Loans, Updating Shipping Status, Updating Status Codes, Transferring Warehouse Banks, Downloading First Collateral, Comerica & RFC Loans, and Creating New Loans in DataTrac.</p>
Descartes Capital	<p>2003/2005 – Corporate Securities Arbitrage Analytics System</p> <p>The application was developed in MS-Access 2003 with plans to port the back-end to MS-SQL Server 2005. This software was used by a startup hedge fund to process and manage stocks and bonds trades of more than \$1.5-billion US Dollars.</p>

PROFESSIONAL & LEADERSHIP DEVELOPMENT

- ❖ I have taken the following technical, management and business courses: Digital Computer Techniques; Communications; Reliability and Risk Analysis Applied to Nuclear Power Plants; Fault Tree and Event Tree Analysis; Put It In Writing; FORTRAN Programming; Software Requirements Specifications and Tests; Project Management Workshop; Capital Budgeting; Proposal Development; Project Management Workshop; Time Management System; Basic Leadership; Presentation Techniques; Executive Presentations; Leadership Development Workshop; Communication Process; DBase III+ Programming; Extended Relational Analysis; CATIA Overview; CGS Line & Surface CAD Package; Advanced Capital Budgeting; MTS Remote Process Controllers; Local Area Networks; Basic Course in Model-Netics; Business Leaders Course; Quality Improvement Course; Financial Controls; etc.
- ❖ I have also attended scores of workshops, seminars and taken computer based instructions to learn .NET 2003 to 2017, C#, VB.NET, ASP.NET, SQL Server 2000 to 2016, XML, Web Services, Test-Driven Development, Web Designing, HTML, Structured Systems Analysis and Design, Structured Programming Techniques, File Design, Using SQL/QMF-DB2 Basic and Advanced Reporting.

HONORS

- ❖ Quaid-e-Azam Scout (Equivalent to Eagle Scout)
- ❖ Secretary, District Scout Patrol Leaders Council
- ❖ Merit Scholarship, Board of Education
- ❖ Civilian Scholarship Scheme
- ❖ Black-Belt, World Taekwondo Federation
- ❖ President, Cosmopolitan Club, University of Kentucky
- ❖ Affiliated with many technical, professional and public service organizations
- ❖ For more information, please call 408-420-7106 or visit my website at: <http://www.wasimakhtar.com/>

PUBLICATIONS

- ❖ "E-Commerce Primer for Business", IBA Conference on E-Commerce, Karachi, Pakistan - April 2000.
- ❖ "Use Object-Oriented Programming to Quickly Develop Management Information Systems", IBA National Conference on Business Administration and Economics '96, Karachi, Pakistan - July 1996
- ❖ "Avoid the We Know What You Want Syndrome! Make Them Write Your Design Specifications", IBA National Conference on Business Administration and Economics '96, Karachi, Pakistan - July 1996
- ❖ "EPRI PRA Repository", with W. Parkinson and others, Electric Power Research Institute (EPRI), Palo Alto, California, USA, EPRI Report NSAC-152 - October 1991 (5 volumes)
- ❖ "NRC Reviews of Nuclear Power Plant Safety Studies", with W. Parkinson and others, EPRI Report NSAC-151, Palo Alto, California, USA - September 1991
- ❖ "An Assessment of CRBRP Core and Containment Response to Core Disruptive Accidents", with J. Giitter, American Nuclear Society (ANS) Topical Meeting, Knoxville, Tennessee, USA - April 1985
- ❖ "Core Damage Frequency Results for the CRBRP", with M. A. Stutzke. International ANS/ENS Topical Meeting, San Francisco, California, USA - February 1985
- ❖ "Clinch River Breeder Reactor Plant, Probabilistic Risk Assessment", Co-Author, United States Department of Energy, CRBRP-3 - December 1983
- ❖ "McGuire Nuclear Station Unit 1, Probabilistic Risk Assessment", Co-Author, Duke Power Corporation, Charlotte, North Carolina, USA - December 1982
- ❖ "Thermophysical Properties of Coal under Transient Conditions", with O. J. Hahn & R. C. Birkebak. Fuel Processing Technology - April 1984
- ❖ "Project Management - The Preservation Perspective", Draft accepted by Project Management Institute, Drexell Hills, PA.
- ❖ "A Case Study: Using the Nodal Fault Tree Techniques for Modeling Engineering Systems", Draft accepted by IEEE Transactions on Reliability.