

**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, Oracle, MS-Access, C#, Visual Basic, .Net, XML & Windows Mobile platforms. I also work with WCF (Windows Communication Foundation), WPF (Windows Presentation Foundation) and AJAX (Asynchronous Java and XML).

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), Disaster Recovery and Business Continuity Planning, as well as SQL Server tools, such as SSMS, SSRS, SSIS and SSAS.

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

Present

- ❖ Worked as a database consultant with numerous companies (such as, Alliance Bancorp, Cisco, CSFB, IBM, USBancorp, 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 & installation; as well as, developing 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**

1988 – 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**

1985 – 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
Provanta Corporation	<p><b>2002/2011 – Provanta Debt Manager</b></p> <p>This application currently uses MS-Access 2000/2003+ with SQL Server 2000+ to integrate all activities related to the company's Client Services, Account Services, Settlement Services, Electronic Funds Transfer, Accounts Receivables and Agent Commissions. It also includes additional client information through <b>XML</b> data that is imported from third party <b>Web Services</b> into a new tab on the application's user interface.</p>
Major User	<p><b>2007/2011 – Coin Collection System</b></p> <p>Used MS-Access 2007 with SQL Server 2008 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. SQL Server Reporting Service (<b>SSRS</b>) was used to create reports.</p>
Wells Fargo	<p><b>2008/2009 – Currency Transaction Reporting (CTR) System</b></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 <b>CTR 010 and CTR 020</b>. Extensive search capabilities were created, which interacted with the database through <b>stored-procedures</b>. The user interface also used the <b>Grid View</b>, 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 <b>File Watcher Service</b> 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 <b>web.config</b> file. <b>Internet Information Service 7.0</b> (IIS 7.0) was used for website control on an internal Windows Server.</p>
Thomas Weisel Partners	<p><b>2007/2008 – Convertibles Trading System with Bloomberg Integration</b></p> <p>The front-end of this application was developed in C# with <b>WPF</b> using <b>Visual Studio 2005</b> with <b>Oracle 10g</b> database to create a complex, yet flexible, sales system for trading convertible bonds and stocks. The application displayed live trading data from the <b>Bloomberg API</b> on numerous forms using <b>WCF</b>. <b>Visual Source Safe</b> was used to manage the application development process that required multiple programmers working with an <b>Agile</b> 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 <b>Infragistics</b> controls, such as the Dock Manager and the UltraWinGrid.</p> <p><b>Oracle 10g</b> automation was achieved through hundreds of Views, Stored Procedures, Packages and Functions.</p>

<b>RECENT SOFTWARE DEVELOPMENT PROJECTS</b>	
<b>Company</b>	<b>Project Name</b>
Trend Micro, Inc	<b>2007 – Data Migration Plans, Use Cases and QA Procedures</b> 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.
Alliance Bancorp	<b>2006/2007 – Alliance Tools Add-In for DataTrac and Other Databases</b> 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 <b>MS-Excel Add-Ins</b> 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.
Descartes Capital	<b>2003/2005 – Corporate Securities Arbitrage Analytics System</b> 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.  It includes an integrated quote-trade form to manage all types of securities using a common interface; such as, convertibles, straights, stocks, futures and credit default swaps. It automatically creates files for processing by the various brokers involved in the daily trades. It also has seamless integration with a custom risk management model used for hedge fund trading. The system was used to manage investments of more than <b>\$1.5-billion</b> US Dollars.
Major Publisher	<b>2003/2005 – Medical Office Simulation System</b> This was developed in MS-Access 2000 with update plans for MS-Access 2003. This software was packaged with a book for teaching medical office billing. Its primary purpose is to realistically simulate patient scheduling, billing and payment processing in medical offices.  It is a fully functional database that gives the readers hands-on training in medical billing by working the step-by-step examples and exercises in the book. This application is also going to be used with future medical office assisting and healthcare insurance books. This application was officially distributed with more than <b>250,000 books</b> .
Touch View Systems	<b>2004 – Touch View Survey System</b>
Medical Technologies	<b>2002/2003 – Patient Office Encounter Tracker</b>
CSFB – Technology Group	<b>2002/2003 – Event Registration System</b>
USBancorp – Piper Jaffrey	<b>2001/2002 – Marketing Database Prototype</b>
Partech International	<b>2001/2002 – Deal Log and Contact Management System</b>
General Sales Agent	<b>2000 – Airline Revenue Management System</b>
Garment Factory	<b>2000 – Salary Administration System</b>
Wholesaler/Retailer	<b>2000 – Pharmacy Distribution Management System</b>

<b>COMPUTER-RELATED SKILLS</b>	
General:	Extensive experience in designing, developing and maintaining software for engineering and business applications. In-depth knowledge of personal computers and networking hardware, and numerous software platforms.
Systems:	IBM Mainframes; CDC Cyber Systems; DEC/VAX and HP Mini-Computers; Apple Macintosh, IBM-Compatible Personal Computers & PDAs
Operating Systems:	MS-DOS, Windows 3.x, 9x, NT 4, 2000, 2003, XP, Vista, Windows 7, WinCE, PocketPC 2003, Windows Mobile 7, etc.
Databases:	SQL Server 2000/2005/2008; Oracle 10g, MySQL, XML, MS-Access, FoxPro, etc.
SQL Server Tools:	SQL Server Management Studio (SSMS), Reporting Service (SSRS), Integration Service (SSIS), Analysis Service (SSAS), as well as Replication.
Programming Languages:	FORTRAN, Basic, VisualBasic, VBA, EmbeddedVB, VB.NET, C#, ASP.NET, etc.
Internet Applications:	Web Authoring, Web Site Development & Administration Tools; such as, Visual Studio.NET, FrontPage, HTML, ASP, ASP.NET, Web Services, VBScript, JavaScript, MVC, MFC & AJAX, Infragistics Controls, etc.
Current PC Applications:	Microsoft Office Suite (95 to 2007), Corel Draw, PIMS, Internet Explorer, Outlook Express, MS-Project 98/2003/2005, Outlook, pcAnywhere, etc.
CAD/CAM Packages:	AutoCAD, CATIA, TrueSpace, Computer Graphics System, etc.
PC Applications:	Numerous office automation packages, such as Bloomberg API, AutoCAD, Quattro Pro, Timeline, MultiPlan, etc.

### **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 2003/2005/2008/2010, C#, VB.NET, ASP.NET, SQL Server 2000/2005/2008, 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](tel:408-420-7106) or visit the website at: <http://www.wasimakhtar.com/>

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## 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.
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