



SOHAIL SARWAR TAHIR

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<http://homepages.nyu.edu/~sst242/index.html>

OBJECTIVE

Seeking a position with a progressive organization leading to new projects and advancements in the field of Information Technology. Looking for a professional working environment where I could make the most of my cogent academic and professional experience.

PROFESSIONAL EXPERIENCE

Oct 2005- To Date

Information Technology, Stern, NYU.

Web Developer

NYU website/in-house applications

I am working for Stern, IT department as web developer. Following are some of the pages, I have worked on.

<http://w4.stern.nyu.edu/advising/rsvp/>

<http://w4.stern.nyu.edu/alumni/alumniball/>

Responsibilities:

- Database design and development.
- Design the layout of web.
- Reporting using MS-Access.

Environment: MySQL, Perl, UNIX, MS-Access.

Jan 2005- Jun 2005

RFM Loyalty Private Ltd.

Sr. Systems Engineer

**Merchant Reports/
Customer Reports**

Real time reporting for merchants/customers / UBL, running loyalty campaigns of RFM.

Responsibilities:

- Resource management, scheduling.
- Database design and development, T-SQL stored procedures, Jobs and DTS packages in MS SQL server 2000.
- Design the layout of web.
- Designed the reports using Crystal Reports 9.

Environment: VB .NET, MS SQL Server 2000, Crystal Reports 9, ASP.NET, MDAB

MIS

Management Information System has been developed to map Life Style Card business of RFM. It's a true financial system, with prompt reporting for managers to analyze the statistics of business. Card Management System has been integrated to MIS which gets updated once data has been entered using MIS. Its data has been made consistent using DTS packages and jobs which imports data from XLS, a system by <http://www.welcome-rt.com/>

Responsibilities:

- Resource management, scheduling.
- Database design and development, T-SQL stored procedures.
- Developed desktop application using VB.NET
- Data Import utilities.
- Reporting using Crystal Reports

Environment: VB .NET, MS SQL Server 2000, Crystal Reports 9, MDAB , Oracle

Jan 2002-March2003 &

May 2004-To December 2004

Sr. Software Engineer

Catalyst IT Solutions

Rochell

A client server application that is built to automate the working environment of a hospital. Its underlying model is made generic and thus it has the capacity to serve various clients with minimal enhancements. It mainly provides support for scheduling patient therapy, which can later be tracked. Hospital accounts management is another area that has been targeted. On increasing desire of Clientele, a web module is underway that will support the system on WWW.

Responsibilities:

- Involved in the development phase to gather requirements from various sources. Co-ordination with team members to discuss the scope of the project.
- Database design and development, T-SQL stored procedures, triggers and functions.
- Design the front end screens.
- Designed the middle tier to encapsulate business rules and business façade.

Environment: VB 6 for UI and COM, MS SQL Server 2000, Crystal Reports, ASP.NET, VB.NET

Vanadium

A library management system that automates major operations and record management of libraries. A separate kiosk application has been developed for library members to automate book searching in the library. Web Interface facilitates members to access library system from their desktop.

Responsibilities:

- Involved in the development phase to gather requirements from various sources. Co-ordination with team members to discuss the scope of the project.
- Database design and development, T-SQL stored procedures, triggers and functions.
- Developed the error handling methodology and data validation for various inputs.
- Developed Web Interface using ASP.NET Web Forms.

- Developed database interactions using ADO.NET (Data Adapter, Data Set and Command Objects).

Environment: VB 6 for UI and COM, MS SQL Server 2000, Crystal Reports, C#, ASP.NET, Java Script

April 2003- May 2004
Software Engineer

ITIM Associates (Pvt) Ltd.

Impact Analyzer Making use of Reverse Engineering, this application finds Impacts of one database objects on another. It has the potential to parse database scripts either after downloading from VSS or parsing scripts directly from database server that can run Oracle or MS-SQL server 2000/7. Web based, user friendly UI has been provided to render dependencies over intranet. It has the functionality to map business processes of the system on database objects.

Responsibilities:

- Developed database parsers each for MS-SQL scripts and for Oracle scripts using ATL.
- Developed Windows NT service, which schedules and executes parsing.
- Database design and development, T-SQL stored procedures.
- Developed data access layer
- Developed web based UI making use of ASP.NET, C# and Java Script
- Complete documentation, including process bible, deployment guide scope document etc.

Environment: VB 6, ATL, MS-SQL Server 2000, Oracle 8, C#, ASP.NET, Java Script, HTML, DHTML, VSS , COM+, Internet Information Server 5.

BSI

BSI Inspectorate --- <http://www.bsi-global.com/> are world leaders in inspection and laboratory analysis of commodities, it was their need to automate the complete laboratory analysis process, I at ITIM along with my team automated their whole process by providing them a web based solution that BSI runs over LAN.

Responsibilities:

- Involved in the development phase to gather requirements from various sources. Co-ordination with team members to discuss the scope of the project.
- Database design and development
- Developed data access layer
- Developed web based UI making use of ASP, Java Script and VB Script

Environment: VB 6, MS-Access/MSDE, ASP, Java Script, VB Script HTML, IIS 5, DHTML.

Travel Studio

http://www.opendestinations.com/travel_studio.html , Travel studio is intended for medium to large Tour Operators and Destination Management Companies and provides Quotation and Package systems, real-time reservations management tools, inventory control and Internet sales interfaces. All this is backed up with a user definable reporting mechanism to provide the information you need for your business at the touch of a button. <http://www.microsoft.com/middleeast/industry/gem/other/43.stm>, gives a brief description of overall system.

Responsibilities:

- Worked on financial reporting module
- Support to clients, bug tracking and fixing
- Changed architecture of debugging utility and enhanced its logging functionality. Optimized its performance by reducing network traffic and introducing DCOM architecture
- Database design and development, T-SQL stored procedures and user defined functions

Environment: VB 6, ATL, MS-SQL Server 2000, Crystal Reports, MFC.

Freelance Projects

HMS Runs business in UK, I developed an application that manage their inventory system, weekly inspections, tracking of goods received and transferred/quarantined to other departments

Anisa Carpets They need to port their system from MS Access to MS SQL server 2000, I transformed all the queries to stored procedure and changed the DAL.

EDUCATION

Year	Certificate / Degree	Institute	Percentage
2005	MS in Information Systems	Courant Institute of Management Sciences, New York University.	First Semester (fall 2005): 4 GPA
2003	B.E.(Computer Systems)	NED University of Engg. & Tech.	80.2%
1998	Higher Secondary Certificate	Adamjee Government Science College.	83%
1996	Secondary School Certificate	Habib Public School, Karachi	90.2%

ACHIEVEMENTS

- Among Top Fifty students of Karachi in Intermediate Examination.
- Awarded scholarship and award of merit for securing 16th position in Board of Secondary Education Karachi.

CERTIFICATIONS

Feb 2002 **Microsoft Certified Solution Developer**

- Designing and Implementing Desktop Applications with VC++6.0
- Designing and Implementing Distributed Applications with VC++6.0
- Designing and Implementing Databases with MS SQL Server 7.0
- Analyzing Requirements and Defining Solution Architecture
- Designing and Implementing Databases with MS SQL Server 2000
- Developing and Implementing Windows®-based Applications with Microsoft® Visual C#™ .NET and Microsoft® Visual Studio® .NET
- Developing XML Web Services and Server Components with Microsoft Visual C# .NET and the Microsoft .NET Framework
- Developing and Implementing Web Applications with Microsoft® Visual C#™ .NET and Microsoft® Visual Studio® .NET

To view official transcript view following URL, specify 680980 as ID and SohailSTahir as Access Code: <http://www.microsoft.com/learning/mcp/transcripts>

August 2002

Sun Certified Java Programmer

- Passed Sun Certified Programmer for the Java 2 Platform, with 88% marks

April 2000-April 2004

Brainbench Certified in

- C++ Fundamentals, MS SQL server 2000 Programming, OO Concepts, Data Modeling Concepts, .Net Framework, RDBMS Concepts, Software Business Analysis, Project Management (2000) , C#

Online brainbench transcript can be viewed at following URL.

<http://www.brainbench.com/xml/bb/transcript/public/viewtranscript.xml?pid=5448005>

PROFESSIONAL AFFILIATIONS

- Member of Pakistan Engineering Council

PROGRAMMING AREAS AND TOOLS

- **Web & Client/Server Scripting Languages:** ASP, ASP.NET, VB.NET, C#, JavaScript, VBScript, Perl/CGI.
- **Database Management Systems (DBMS):** SQL Server 7.0/2000, Microsoft Access 97/2000/2002, MSDE, Oracle 8i/9i
- **Programming Languages:** Visual C++ 6.0, Java 1.2/1.3, Visual Basic for Applications, Visual Basic 6.0, C, C++ , TSQL, ADA, AWK, Unix Shell scripting
- **Markup Languages:** XML, XSL, HTML, DHTML
- **Development Libraries and APIs:** Active Template Library (ATL), WinInet API, Microsoft Foundation Class (MFC) Library, DAO/ADO/ADO.NET/ODBC, WinSock API
- **Other Tools and Standards:** MS-Visio, UML, Rational Rose, MS Project 2000, VSS, Crystal Reports 8/9

ACADEMIC PROJECTS

- **HDL4PCB Electronic Design Automation Environment:** It is a suite of tools that provides the capability to take a structural VHDL or Verilog representation of an electronic design and translate that to a Printed Circuit Board (PCB) system for layout. It provides a path from HDL designs to PCB layout, eliminating problems inherent with graphical representation of large, complex components. On presentation of this software in a nation wide software competition we won accolade of merit.
- **IC Inventory System:** Inventory system, assigned for DBMS course, implemented in MFC and SQL server/ Oracle / MS-Access.
- **Internet client application:** Assigned for course of Software Engineering, this application creates connection with WWW and downloads file from requested URL. Activities of application are logged, and directory structure of web is shown using tree control.
- **Virtual Instrumentation:** A frequency counter that is implemented using the virtual instrumentation principles. It uses a microprocessor based system to control the over all functioning and for the purpose of sample wave form generation. The microprocessor used in this project is 8085-a Intel.
- **8-way traffic controller:** It is a fully functional hardwired signal that has the ability to control 8-way traffic.

- **Virtual Doctor:** an expert system using Visual Prolog.

PERSONAL DATA

- **Date of Birth:** 15th September 1980.
- **Marital Status:** Single
- **Hobbies:** Basketball, Music, Reading Books.