

Remus Rusanu

remus@rusanu.com

<http://www.linkedin.com/in/remusrusanu>

Objective

Consulting, technical expertise and contracts for back-end and database application development, database administration, deployment and troubleshooting.

Professional Experience

November 2007 – Present

RUSANU CONSULTING, Owner

<http://rusanu.com> we offer consulting and technical expertise for web and database application development and database administration, deployment and troubleshooting. Our experience covers C++ development for server products, C# development of database applications and web services and anything concerning Microsoft's SQL Server, and specially SQL Server 2005.

August 2001 – November 2007

MICROSOFT Corp, Redmond, WA

Software Design Engineer in the SQL Server Engine team

- Designed and implemented the network protocol used by Database Mirroring and Service Broker features. This includes the protocol wire format, the messages cryptographic authentication and confidentiality, endpoints authentication and authorization using Windows NTLM, Kerberos and SChannel providers. Designed and implemented the Service Broker service layer protocol for authentication and authorization and its integration with the SQL Server 2005 security and cryptographic infrastructure.
- Designed and implemented the Service Broker Diagnostics tool, a tool that will ship with SQL Server 2008, used for diagnosing and troubleshooting Service Broker deployments.
- Member of the volunteer based SQL Omega team responsible for debugging hard problems and educating Microsoft's SQL Server team new hires in SQL internals boot-camps.
- Main contact for customers labs involving Service Broker and an active participant in many SQL Server customer engagements for SQL Server 2005. Participated in many customer advisory meetings, including code reviews of customer projects with major Microsoft customers and internal Microsoft departments and teams deploying SQL Server 2005.
- Member of various virtual teams that implemented SQL 2005 and SQL 2008 features.

Software Design Engineer in Test with the SQL Server Engine team

- Designed and implemented an automated test framework for SQL Server protocols.
- Designed automated test and verification for many new SQL Server 2005 features, including but not limited to Database Mirroring, SQL 2005

cryptography, SQL 2005 security, Service Broker, XML data type, various Transact-SQL language features

- Designed automated test for verification of SQL Server 2005 on new Windows platforms (Windows 2003 Server, Windows XP SP2)
- Created a test framework and a web based interface for tracking performance data from performance tests on SQL Server 2005 lab runs, including automated build-to-build comparison of system performance counters and test performance metrics repository.
- Investigated and diagnosed test failures for SQL Server 2005 lab runs.

January 1999 – July 2001

CIMS Software Systems, Bucharest, Romania

Software Programmer

- Designed and implemented a transparent link for the Visual Fox Pro based CIMS system to ODBC back end databases, including an on-the-fly transparent transform of Fox Pro expressions into specific back end database syntax that supported MS SQL Server, Oracle and DB2 back ends.
- Designed a WYSIWYG form editor for the CIMS system critical for configuring CIMS projects.
- Main contributor to the development of the CIMS v 2.0 system.

January 1996 – December 2000

TOTALSOFT, Bucharest, Romania

Software Programmer

- One of the principal contributors to Totalsoft's solution for Rombel Medical, a medical analyses center. This was a Borland Delphi front end with a SQL Server database and included a laboratory analyses machines interface data acquisition.
- Participated in several customer specific inventory tracking and payments tracking solutions developed by Totalsoft.

September 1994 – December 1995

TOY S.A., Bucharest, Romania

Software Programmer

- Developed a complete accounting, inventory tracking and payments tracking solution in Fox Pro 2.5

SQL Server User Community Activities

Moderator of the MSDN SQL Server Service Broker community forum

- Answer user questions and comments on the forum, with more than 750 answers posted as of November 2007. The quality of my answers has been positively reviewed by numerous users for correctness and for going the extra mile on providing detailed feedback and guidance for a the Service Broker feature usage.

Owner of the Service Broker Conversations blog on MSDN

- Published a technical blog offering tips and guidance on using new SQL Server 2005 features. This blog was cited in several articles published in

MSDN Magazine and quoted directly in SQL Server 2005 books. Each post has around 1000 views and the blog is featured very high on Internet search engines for searches on the topics covered by the blog.

Author of Service Listing Manager

- A personal project published as a Microsoft sample at www.codeplex.com/slm to cover the lack of configuration tools for Service Broker from the SQL Server 2005 tools.

Education

1991 – 1996

**The Cybernetics, Statistics and Business Computer Science Faculty
The Academy of Economic Studies, Bucharest, Romania**

- Graduated with a major in Statistics
- Curriculum covered Statistics, Computer Science and Business Management

Speaking Engagements

SQL Server Connections March 2007, Orlando, FL

- SMS311: Patterns for building asynchronous, distributed data applications in SQL Server 2005
- SMS314: High Performance Service Broker Processing

Skills

Programming

- C++ building highly reliable asynchronous multi threaded applications (SQL Server)
- C# and CLR
- SQL and T-SQL
- XML, XPath, XSLT
- Thorough knowledge of Windows environment and Win32 API

SQL Server Technical Expertize

- troubleshoot scalability and performance problems
- architect high availability and disaster recoverability solutions
- data movement and ETL
- technical problems incident investigation
- many more

Languages

Fluent English, native Romanian

Legal Status

US Permanent Resident (Green Card holder)