Kuruvilla Roy

Sr. MS SQL Server Developer

**Summary:**

* Over **10 years** of experience in IT industry, involved in the analysis, design, development and implementation of various Database driven .**Net projects as a SQL Server/Oracle Developer/DBA**
* Extensive expertise in Architecting databases and **ER Data modeling** tools such as **ERStudio, MS Visio, Erwin,** SQL Server Database Diagrams
* Expertise in **MS SQL Server 2000/2005/2008 Installation, Configuration, Design (physical/ logical), Production and Application Support, Performance Tuning/ Optimization, User/Security Administration, Backup/Recovery, Data/Network Administration and Maintenance, Linked servers**
* Proficient in T-SQL programming, coding **SQL Queries**, **Stored Procedures, SQL XML, Views, Triggers, Cursors**, **user defined functions, Distributed queries**
* Extensive knowledge in **Tuning T-SQL and PL/SQL queries & improving the performance of the Database**
* Experience in **SQL Server concepts** **like online indexing, Data partitioning, Database mirroring, DB Snapshot, DMV’s, DMF’s, Mail Setup, Jobs, and Alerts, DTA, SQLCMD and dedicated admin connection**
* Experience in **Batch Processes, SSIS, DTS, BCP, Import, Export, DBCC commands, Backup\Restore**, Database monitoring tools and Application support.
* Expertise in using **SQL Server profiler** and trace, knowledge of XML support in SQL server
* Experience in software installations, Database Migrations and Database Capacity Planning
* SQL Server **Business Intelligence Development Studio** expertise to create **SSRS reports, SSIS packages and SSAS projects**
* Strong exposure in creating ad**-hoc/drill down/parameterized reports** using **SSRS 2005** and **Crystal Reports**
* Extensively worked in **SSAS to create Cubes and Data Mining Queries using MDX**
* Exposure to SQL Server High availability technologies such as **Failover Clustering, Mirroring, Log shipping, Replication**
* Developed and implemented **SSAS Cubes** with calculations, Aggregations, Hierarchies for Business intelligence **(BI)** reporting.
* Exposure in handling **IBM DB2 UDB**
* Expertise in debugging, troubleshooting & converting .net and java codes
* Experience in Web deployment **on IIS server** using **Visual Studio 2005, ASP.Net & C#**
* Experience in programming with **.NET, C#, ASP.NET, ADO.NET, XML** and **Web Services**

TECHNICAL SKILLS:

**Programming Languages:** C#, C++, Java, SQL, T-SQL, PL/SQL, VB.net.

**Scripting Languages: Java Script, VB Script**

**Databases\Data Access:** SQL Server 2008/2005/2000, Oracle8i-9i-10g, IBM DB2, Sybase IQ Adaptive server 12.5.

**Packages/Tools:** SSIS, SSRS, SSAS**,** DTS, VS.NET, Crystal Reports, Visual Basic 6.0, Microsoft Visio, MS Project, InstallShield, Windows SharePoint Services (WSS 3.0), IBM iSeries Navigator, AQT, MS Interdev.

**Version Control:** Visual SourceSafe (VSS)

**.NET Technologies: ASP.NET, ADO.NET, XML, HTML, WSDL, SOAP, XSL, WCF, Windows Services, Web Services**

**Java Technologies:** Applets, Servlets, JSP, RMI, JDBC

**Operating Systems:** Windows NT/2000/2003/2008, UNIX

**Application\Web Servers:** IIS, Tomcat

**Professional Experience:**

**T-Mobile, Parsippany, NJ May 2011 – present**

**Sr. SQL Server Developer**

The project involved the refactoring of an existing application for the CSR department. This new application changed the existing workflow. This application is one of the highest visible applications in the company.

**Responsibilities:**

* Involved in designing the new SQL SERVER 2008 Database
* Applied **Patches and Service packs** to update different versions of **MS SQL SERVER.**
* Fixed the failed **PRINCIPALS (logins),** **user permissions** and security in **ACTIVE DIRECTORY and SQL SERVER LEVEL.**
* Scheduled regular **BACKUP JOBS** and kept track of **DATABASE** by receiving the emails on **Alerts.**
* Moved files between the **File Groups and partitioned** the tables to improve the performance.
* Implemented **Data partitioning** ,**Snap shot Isolation**, **Database Snapshot, DDL triggers, Try-Cache blocks, Online Indexing, DMV’s, DMF’s, DTA,SQLCMD and dedicated admin connection, Common table Expression(CTE).**
* Utilized the new features of **2008 like CTE, MERGE STATEMENT and Compressed Backups.**
* Documented and performed the data base health checks regularly.
* Created new **tables, stored procedures and triggers IN T-SQL**.
* Refactored and **fine tuned the queries and stored procedures in tsql.**
* Used native tools like **DATA BASE TUNING ADVISOR, PROFILER and ACTIVITY MONITOR** for performance analysis.
* Created **baseline and sampling intervals** in the perfmon considering threshold values of the **counters.**
* **Rebuilding indexes** with different **fill factors** and **update statistics** manually.
* Generated reports in **SSRS using BIDS** (**Business Intelligence Development Studio).**
* Deployed **SSIS** package for bulk insert and maintained archival data.
* Created Linked Servers to access data for reporting purposes
* Created migration scripts from existing application to the new application
* Performed backup and restoration tasks.
* Created release database scripts
* Created and configured SSIS packages for updating reporting databases
* Modified the existing SSRS reports to reflect the data from the new database

**Environment:**

Window2008 Datacenter, SQL Server 2008, C#, SSIS, SSRS, QUERY ANALYSER, VISUAL STUDIO, VB.NET.

**Avesis Inc., Owings Mills, MD Aug 2009 – Apr 2011**

**Sr. SQL Server Developer/DBA**

The project involves the migration and consolidation of the company's existing health insurance application to the new ERP application. This involved all aspects of the health insurance - providers, members, groups, and claims. All the reports had to be redone in the crystal reports 2008 to extract data from the new system, which resides in SQL SERVER 2005. The crystal reports are hosted in business objects enterprise server and also which is integrated with windows active directory. Reporting databases are implemented using log-shipping feature in SQL SERVER 2005.

**Responsibilities:**

* Involved in architecting the log shipping in SQL SERVER
* Involved in analyzing the performance issues caused in SQL SERVER
* Involved in configuring and administering SAP Business Objects 2008 server
* Configured AD authentication for Crystal Reports 2008 server
* Created migration scripts from existing application to the new application
* Created and configured SSIS packages for updating reporting databases
* Designed and generated reports in Crystal Reports 2008
* Troubleshooted database application problems
* Performed database maintenance tasks such as fixing corruption issues in production database
* Interacted with the operations team to convert the business requirements into reports
* Performed backup and restoration tasks.

**Environment:**

Window2003 Advance Server, SQL Server 2008, ASP.NET, ADO.NET, XML, SSIS, SSRS, JSP, SAP BO Enterprise XI\Crystal Reports 2008 server

**ASCAP, NYC, NY Jul 2008 – Jul 2009**

**Sr. SQL Server Developer**

This is an application, which allows the users to make adjustments to the existing data. Once the new data has been entered the user can make comparisons with the existing data. The data is retrieved from various databases such as **SQL Server, Sybase IQ Adaptive Server and Oracle**. Linked server technology is used to retrieve data from the various databases.

**Responsibilities:**

* Involved in architecting the new database in SQL Server
* Involved in analyzing the performance issues caused due to Linked Server and Sybase IQ Adaptive Server.
* Involved in developing the front end using VB and VBA
* Involved in analyzing the functional specifications and converting it into business logic.
* Maintained several instances of SQL server 2008/2005.
* Installed and maintained active passive SQL 2008/2005 clusters.
* Troubleshooted database application problems.
* Ran various SQL scripts to update the production databases.
* Responsible for monitoring and tuning MS SQL server performance and ensuring data integrity.
* Created SSIS Packages (Data Loading) and scheduled them.
* Performed backup and restoration tasks.
* Generating Reports using global variables, expressions and functions for the reports.
* Identifying and working with parameters for parameterized reports in SSRS 2005.
* Responsible for scheduling the subscription reports with the subscription report wizard.
* Analyzed the reports and fixed bugs in stored procedures.
* Installed and maintained Windows SharePoint Services (WSS 3.0), Project server 2007.
* Created workspace and sites on SharePoint and Project server.
* Integrated reporting services with SharePoint and deployed reports.
* Used Table partition on large tables for better performance.

**Environment:**

SQL Server 2008/2005, Sybase IQ Adaptive Server 12.5, Oracle 10g, SSIS, SSRS, SSAS, Windows SharePoint Services (WSS 3.0), VBA, Microsoft Excel.

**iMessaging Systems, Merrimack, NH Sep 2006 – Jun 2008**

**Sr. Oracle Developer/DBA**

This web-based application is a call center management & reporting system.

**Responsibilities:**

* Performed Database Design, Coding, and Reporting.
* Supporting 24 \* 7 production, development and test databases for accepted performance and ensuring maximum availability.
* Create and managed users through privileges, roles, resources and auditing.
* Performed day to day production database monitoring activities.
* Built MIS reports using tools such as Crystal Reports.
* Performing Database Tuning - Tuning involved I/O, Memory, CPU utilization, SQL Tuning, SGA Tuning, Shared Pool Tuning, Buffers and Disk I/O tuning using Oracle’s regular performance tuning tools like Explain Plan, SQL\*Trace, TKPROF, DBMS\_STATS, Data Dictionary Views etc,.
* Tablespace creations and space administrations at Oracle and OS level.
* Involved in defining system requirements, designing & prototyping, developing, testing, training and Implementation of the application.
* Implemented the business rules by writing Oracle PL/SQL Functions and Procedures.
* Worked with the users to identify the business requirements and integrated them into the Oracle Applications.
* Created Data stage Server jobs to load data from Sequential files, Flat Files, XML.
* Participated in system analysis, data modeling and database designing which included creating tables, views, indexes, synonyms, triggers, procedures and packages.
* Created batch job in regular maintenance, production support to load the data using shell scripts, Pro\*C and PL/SQL.
* Created Discoverer reports, created end user layer, work areas.
* Created Data transformation tasks using Datastage
* Maintained ETL tasks using Datastage
* Created various reports using Reports 6i and web enabled them.
* Developed Shell and PL/SQL scripting for regular maintenance and production support to load the data in regular intervals.
* Written complex SQLs using joins, sub queries and correlated sub queries.
* Involved in the design, development, testing and maintenance of the application.

**Environment:**

Window2000 Advance Server, SQL Server 2000, Oracle 10g, Visual Basic 6, Visual FoxPro, Crystal Report 8/9, Pro\*C, Visio 2003, Datastage

**Turner Wood & Smith Insurance, Gainesville, GA  Jun 2005 – Aug 2006**

**Oracle Developer/DBA**

Insurance tracking system to keep track of all the dealers, customers and products sold.

**Responsibilities:**

* Implementation of Software, Performance Tuning, Data Migration and Backup.
* Migrated Data from legacy system to ERP system.
* Performed Parallel running of Legacy system and ERP system and gave training to users, providing various types of reports as per the user requirements and looking after database as DBA.
* Worked on Linux, Oracle 9i and D2K as client side front end.
* Worked for ERP – Created Finance Related Reports and Documents (i.e. Profit & Loss, Trial Balance, Balance Sheet, Bank Reconciliation etc), MIS Reports.
* Developed custom reports, PLSQL procedures, functions and packages for Oracle Applications production instance.
* Assisted in business analysis, application setup, data conversion, custom interfacing, and reporting.
* Developed web pages using asp.net
* Developed new customizations and enhancements to existing forms.
* Designed project accounting templates for gathering information from the business users.
* Performance tuned SQL’s queries for enhancing the load.
* Involved in the unit test and system test of the new environment with the key business users and resolving the issues according to the service level agreements.
* Developed Interfaces to connect the non-oracle databases (MS SQL Server and Power Builder) from the Oracle Production System.
* Performed ETL tasks using Datastage
* Performed Oracle Applications System Administration tasks, like adding users, managing printers, adding and managing concurrent programs and reports.
* Implemented data extraction/Transformation/Cleaning/Loading from flat files has been using SQL Loader and PL/SQL.
* Utilized programmatic structures such as PL/SQL block, tables, triggers, and stored procedures.

##### Environment:

Window2000 Advance Server, Linux, Oracle 9i, Visual Basic 6, Developer 2000(Report), Visual FoxPro, Crystal Report 8/9, Visio 2003, Pro\*C, Toad, Power Builder 7, Remote Desktop, Oracle Enterprise Manager, Datastage

**Sellecca Solution, Sherman Oaks, CA Sep 2004 - May 2005**

**MS SQL Server Developer/DBA**

The project involved in installing and configuring SQL server 2000, create and check the performance tuning of the stored procedures, creating, troubleshooting and maintaining DTS packages

**Responsibilities:**

* Installation, configuration, and maintenance of MS SQL Server 2000.
* Created & managed the Database Users, Login Ids and Security.
* Involved in Logical and physical Data Modeling
* Created database objects like tables, views, indexes etc.
* Created and modified stored-procedures, triggers, cursors.
* Checked Performance Tuning, Indexing, Query Optimization.
* Used database consistency checks using DBCC utilities.
* Developed web pages using asp.net
* Wrote DTS scripts for data transfer and data loading
* Created DTS packages for the extracting, transforming and loading the data
* Created Linked Servers for data retrieval using OLE DB data sources and providers.
* Implemented distributed queries for Linked Servers.
* Good exposure in running jobs in Enterprise Manager using job-scheduling tool.
* Good Experience with Query Analyzer.

**Environment:**

MS SQL Server 2000 and Windows NT/XP, ASP, IIS 5.0, VB 6.0, VB, JavaScript, MS Access, Windows 2000 Server

**Stafford Manufacturing Company, Wilmington, MA Jan 2004 - Aug 2004**

**MS SQL Server Developer/DBA**

This system speeds up on-line order processing, streamlining functions such as customer quotations, pricing, order processing, acknowledgement handling, shipping and invoicing. The main modules of the application are Account Management, Customer Order Processing (COP), and Shipping & Distribution.

**Responsibilities:**

* Involved in requirement gathering, analysis, design, development, change management, deployment and user training.
* Installed and Configure SQL Server 2000 successfully.
* Transformed data from various data sources using OLE DB connection by creating various DTS packages (Data Loading).
* Login and User Management: Adding logins, roles, groups to the Window NT and MS SQL Server and maintaining proper security procedures.
* Scheduling Jobs and Alerting using SQL Server Agent.
* Proactive and reactive tuning of databases at each stage of the project.
* Capacity planning in estimating and sizing of tables.
* Materialized views, dimensions and Stored outlines for optimal performance.
* Implemented Triggers and Stored Procedures.
* Involved in ER diagrams (Physical and Logical using ERWIN, Data Modeling) and mapping the data into database objects.
* Evaluated database performance and performed maintenance duties such as tuning, backup, restoration and disaster recovery.
* Decided upon the locking strategy that could be used for various batch Programming structures & Transactions.
* Monitoring Performance during Beta - Testing phase of the application.
* Developed a data layer using ADO.NET.
* Scrum methodology (**Agile** development methodology) was followed for feature enhancement of the project
* Designed and implemented core architectural components.
* Prepared test plans and did unit testing of the programs using NUnit.
* Gathered and documented requirements specifications using UML use-case methodology.

**Environment:**

SQL Server 2000, ErWin, ASP.NET, ADO.NET, XML, UML, Web Services, JavaScript

**NKK Switches, Scottsdale, AZ Apr 2003 - Dec 2003**

**MS SQL Server Developer/DBA**

This project involved in creating a resource allocation system for an electrical switch manufacturing company.

**Responsibilities:**

**Data Modeling:**

* Analyzed the project database requirements from the users.
* Collected the information about different Entities and attributes.
* Normalized the entities and denormalized for DW purposes.
* Defined the PK’s and FK’s for the Entities.
* Defined the Query Views and the index options.
* Defined the relationships and cardinalities between different entities.
* Created super type and sub type entities and Category entities.
* Defined the domains for the attributes and Validation rules.
* Created logical schema (**Data Modeling**) using ERWIN 4.1.
* Created the physical databases.

**Database Administrator:**

* Installed and Configured SQL Server 2000 successfully.
* Login and User Management: Adding logins, roles, groups to the Window NT and MS SQL Server and maintaining proper security procedures.
* Scheduling Jobs and Alerting using SQL Server Agent.
* Database creation; database tuning, performance planning, backup planning and database administration.
* Transformed data from various data sources using OLE DB connection by creating various DTS packages.
* Created tables, views and indexes. Wrote Triggers and Stored Procedures.
* Generated XML Files using MS SQL Server 2000
* Supported in building and maintaining Data marts, Fact Tables, Dimensions and joined them to extract meaningful data. Supported in creating Cubes.
* Evaluated database performance and performed maintenance duties such as tuning, backup, restoration and disaster recovery.
* Decided upon the locking strategy that could be used for various batch Programming structures & Transactions.
* As a Database Developer interacted with the front-end developers at various phases of the project, since we were following Scrum methodology (**Agile** development methodology)
* Involved in System testing. Developed the project using iterative approach.
* Used Performance Monitor and SQL Profiler to optimize queries and enhance the performance of database servers.
* Monitoring Performance during Beta – Testing phase of the application.
* Used Crystal Reports to generate different types of ad-hoc reports.
* Developed data layer using ADO.NET.
* Developed prototypes and managed changes based on feedback.

**Environment:**

SQL Server 2000, ERWIN 4.1, MS-Access, VB 6.0, ASP.NET, ADO.NET, XML, Crystal Reports, Windows 2000, Visio, Oracle 8i, Java, Tomcat, VC++, SOAP, Installshield, XML, Wise

**Merrill Lynch, Jersey City, NJ Dec 2002 - Mar 2003**

**MS SQL Server Developer/DBA**

**Merrill Lynch** is one of the world’s leading wealth management capital markets and advisory company. As a development team member was responsible for development of Error Allocation system. The application was designed and developed to facilitate the senior management to report the trading errors. The system highlights and reports various errors that are occurred due to the human, technology, data and other normal trading errors. The trading includes equities, dept and options. The Error Allocation application facilitated the financial consultants to increase the efficiency by reducing the trading errors.

**Responsibilities:**

* Gathered user requirements.
* Analyzed and designed of software and database solutions.
* Updated functional specification and technical design documents.
* Designed database objects, normalize data base objects.
* Developed stored procedures, functions and triggers.
* Developed scripts to move data from the flat files into the tables.
* Created DTS package to export and import data from SQL Server to text files.
* Developed scripts for batch processing.
* Created reports as per the requirement needs using Crystal reports.
* Created views as per design needs.
* Supported the front-end application developers with their queries.
* Tuned procedure and database objects.

**Environment:**

MS SQL Server 2000, MS Access, SQL Query Analyzer, Enterprise Manager, DTS, SQL Developer, Visual Basic 6.0, Crystal Reports 8.5

**Commercial Logic, Hanover, NH Jun 2001 - Nov 2002**

**SQL Server Developer/DBA**

The project involved migration of the existing database in MS Access to MS SQL Server. Involved in planning & administration of the entire migration. Worked on the tuning aspects to achieve an efficient & cost effective system. Worked on optimizing the existing SQL queries and improve the performance of the system. Designed Reports for the accounts department

**Responsibilities:**

* Complete administration of MS-SQL Server 2000.
* Installed and configured MS SQL Server on Windows NT4.0/2000 Server.
* Migration of databases from SQL7.0 to MS SQL 2000.
* Logical and Physical design of database for projects on basis of user requirements using ERWIN.
* Implemented various Stored procedures for the purpose of application development
* Implemented and maintained database security.
* Transformed data from various data sources using OLE DB connection by creating various DTS packages.
* Created Cubes and performed data mining on the data using the fact table and the dimension.
* Administrator tasks such as managing users, roles, and profiles.
* Performed Database backups (operating system, flat file backups & export/import).
* Tuned SQL statements Using Indexes and Stored Procedures.
* Used Query Analyzer to optimize SQL Queries.
* Converted various SQL statements into Stored procedures thereby reducing the Number of database accesses (since Stored Procedures passes the whole block at one time).
* Reduced the T-SQL overhead successfully by avoiding unnecessary use of The UNION Operator & using the TOP operator to limit the Select Statement in certain Queries.
* Developed standards and guidelines to maintain develop and administer the SQL Server database.
* Maintained the physical Databases by monitoring Performance, Space utilization and Physical integrity.
* Worked with Implementation team and closely moved with end users.
* Worked with the DBA to prepare a Disaster Recovery Plan for their database in a scenario wherein the Master Database File is Lost / Corrupted.
* Worked closely with developers, end users and Administrator in designing database and creating.
* Successfully loaded data from an EXCEL, Access into a SQL Server database Table.
* Loaded data from Flat files (. txt) into SQL Server.

**Environment:**

**SQL Server 2000, ERWIN, MS-Access, ASP.NET, C#, ADO.NET, XML, Windows 2000**

**TaskServer, Hudson, NH Jan 2001 - May 2001**

**MS SQL Server Developer/DBA**

**TaskServer** is a new class of XML and web based software for Business Process Automation (BPA), Enterprise Application Integration (EAI), Web Services Integration (WSI), and business process specific collaboration.

This is a web based Business Process Automation application. This manages the workflow of the business processes.

**Responsibilities:**

* Database Administrator and Developer for Development, Test and Production servers with MS SQL Server 2000/7.0 on Windows 2000/NT 4.0.
* Installed, configured, administered and secured SQL Server 2000/7.0 on Server and Clients.
* Designed database for new system development and application architecture going through client’s requirements using Erwin.
* Set naming conventions for objects based on SQL standards.
* Administered MS SQL Server by creating user logins with appropriate roles, dropping and locking the logins, monitoring the user accounts, creation of groups, granting the privileges to users and groups. Extensively Involved in Designing (Logical and Physical) of Customer Database.
* Created & managed the database users, login IDs and security.
* Created database objects like tables, views, indexes etc.
* Created and modified stored-procedures, triggers, cursors.
* Wrote T-SQL for the retrieval of the data.
* Created DTS package to export and import data from SQL Server to Access, text and EXCEL files.
* Created DTS Packages using ActiveX Scripts to extract, transform/modify and load data from database files to other type files.
* Checked performance tuning, indexing and query optimization.
* Used database consistency checks using DBCC utilities.
* Developed administrative tasks of SQL Server of performing daily Backups and recovery procedures.
* Created Linked Servers for data retrieval using OLE DB data sources and providers.
* Wrote distributed queries for Linked Servers.
* Exposure in running jobs in Enterprise Manager using job-scheduling tool.

**Environment:**

Windows 2000, MS SQL Server 2000, SQL Server 2000 Analysis Services, VB Script, XML, Visual Studio.NET and Erwin, MS SQL Reporting services, Windows NT/2000/2003

**EDUCATION:**

**Bachelor of Engineering** (Information Science)