



ICS DreamTeam Member No 2156 CV

Profile:

He has 10 years of work experience in the various aspects of SQL technologies with certifiable and proven architectural, engineering, consulting and DBA / Development and Reporting Services integration with SharePoint 2007 skills in various capacities.

A sector grouped list of the major clients that he has worked for is listed below:-

Investment Banks:

- UBS
- Credit Suisse
- ABN & AMRO
- Merrill Lynch

Hedge Funds:

- CQS Management
- London Diversified Fund Management

Government Organisations:

- UK Ministry of Defence

Financial Services:

- GMAC RFC
- CorillIan Corporation

Solutions Architectural Experience:

- He has a vast amount of experience in architecting, designing and implementing complete IT solutions, especially those that are SQL and finance centric. This includes application development, web SharePoint integration with Reporting Services, and SQL Server infrastructure development. He has also had experience with designing a complete solution born out of a business requirement.
- The technical information below is designed to give an idea of his technical "know how" and expertise in this field, this broken down by SQL Versions and Technology subject matters.

Technical Skills Summary:

SQL Server 2008:

Architecting, investigation and testing of the following features

- | | |
|---|----------|
| • Installation & configuration of SQL 2008 | 6 Months |
| • Investigating Faster Install process | 6 Months |
| • Integrated Profiler information invocation from Activity Monitor | 6 Months |
| • Resource Governor throttling application CPU & memory thresholds | 6 Months |
| • Power Shell integration to automate scripted installs | 6 Months |
| • Profiler integration with Management Studio | 6 Months |
| • Multi-server query execution | 6 Months |
| • SQL prompt functionality auto complete | 6 Months |
| • Zip backup facility | 6 Months |
| • Object load up time improvement in SSMS | 6 Months |
| • New activity monitor, & integrated RDL files, Performance dashboard | 6 Months |



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- Security improvements admin passwords and security easier 6 Months
- Open table limited to set rowcount 6 Months
- Graphical show plans and query extraction 6 Months
- Table partitioning new GUI wizard 6 Months
- SQL debugger in SSMS 6 Months

SQL Server 2005:

Database Architectural, Engineering, Administration and development

- Installation & Configuration 3 years
- 3 + 2 & 2 + 1 Cluster Builds 3 years
- Use of Perl for Automation for builds 1 year
- Surface Area Configuration 1 year
- SSIS 2 years
- Legacy DTS imports 2 years
- Database Maintenance Plans 2 years
- Replication Configuration - Merge / Trans / Snapshot 2 years
- Database Tuning Advisor 2 years
- Snapshot Isolation Levels 2 years
- XML & X-Query support in SQL2005 2 years
- Service Pack 1/ 2 resilience testing 1 year
- Configuring Co – Host environments (SQL 2000 & SQL 2005) 1 year
- DR Testing & Failover Implementation 2 years
- SSAS – Analytical set up of cubes 2 years
- SSRS – Set up of SSRS for creating web reports 2 years

SQL Server 2000:

Database Architectural, Engineering, Administration and development

- SQL Server (Architectural Development) 7 years
- SQL Server (Development) 7 years
- SQL Server (DBA) 7 years
- SQL Server (Performance & Optimisation) 7 years
- SQL Server DTS & Replication Design 7 years
- Implementation of DR policies & Resilience 5 years
- SQL Server Development environment configuration 4 years
- T-SQL Enhancement 2 years

Specialist SQL knowledge that are common to the last 3 versions of SQL:

DTS & Replication:

- Implementation, of complex DTS transformations, for assisting large bulk data transfers, as opposed to BCP use.
Implementation of precedence constraints, to implement reasonable logical flow.
Global variable config, through UDL, and ActiveX scripts and Disconnected Edit.
Package GUID refresh methods.
DTS Transform methods, mapping changes and property changes.
Implementation of Transactional replication, Against Merge replication and Snapshot Replication.
With pull / push subscribers

Performance & Optimisation:

- Transaction isolation levels
Using Temporary tables as an alternative to using cursors, for recursive looping
Slow running queries – use of profiler to capture sp calls with parameters, and dynamic SQL generation.

Use of graphical execution plans (estimated and Actual) to look at Clustered / Non clustered seeks and scans.

Recommendations of Clustered and Non-Clustered indexing, based upon stats, I/O reads. Update stats, and use of DBCC index de-fragmentation, commands, to improved performance.

Partitioned view implementation, and sensible archiving strategies for large table scans.

Use of Set and Select methods in declares statements.

Indexing joined fields in queries to improve select based stored procedures

Use of top 1 as opposed to MAX statements to improve sp's.

Use of MAX DOP, and no locks, and PIN commands, to improve locking, caching, and unnecessary parallelism

Using UNION and DISTINCT, GROUP BY, HAVING , ORDER BY, Joins, Full , right, left, to expose null based result sets

SQL Server installations 2000:

- Building many servers, to reference the right collation Windows Latin 1_General and (SQL Server Latin1_General_CI_AS).
Configured for Distributed Transaction (MSDTC), and all relevant SQL Server service accounts
SQL Server settings, advanced options SQL Server priority boost over Windows
Implemented AWE – using sp_configure & the / 3 GB / PAE in the boot.ini
RAID Software manager (RAID 10, 5, and RAID 1, 0) installations
Loading Win2003 (Hyper threading) with SQL 2000 Enterprise Edition
Configuring Exchange compliance – Setting up SQLMail profiles for error reporting
Configuration of Linked server environment and Network DTC Access

DR, Backup and Log shipping:

- Implementation of sensible backup policies, Litespeed, and NETBackup policies.
FileGroup, Full and Differential & T Log backup methods Implementation of Log shipping methods.

Web sphere is an application server built around the Java environment, it helps to house, centralize and deploy business rules in an otherwise diversified environment, i.e. stored procedures, Client side code. Its direct counterpart could be thought of as BizTalk server. He have had exposure to all these components, but in direct relation to architecting a solution using and investigating the use of Web sphere, Java & UNIX , as opposed to the alternative Windows, C#, BizTalk and SQL Server.

I T Business Applications Exposure:

- | | |
|--|---------|
| • ETFS (Extended Trading Front Office Systems) | 1 year |
| • Front office Application development | 2 years |
| • Front office Database development | 3 years |
| • Front office Database support | 4 years |
| • Use of Tradar, Calypso, Front Arena | 4 years |
| • Use of In house Trade booking systems | 4 years |

Business Areas Exposure and Knowledge:

- Prime Services Trading Mechanisms
- Bloomberg / Reuters Pricing Analysis
- Trade Reconciliation
- FX hedging
- Portfolio Trade support for Front Office
- Analysis for new in house risk based system
- Improvements on credit risk practices and methodologies, Equity Based
- Break down of active risk of a portfolio of trades relating to market risk

- Risk extrapolations on capital invested
- Wealth Management & Private Banking development
- Index pricing
- Hedging principle based upon Trade Risk evaluation
- Analysis of derivatives options, interest rate swaps, futures, Analysis and measuring of Greeks

Work Experience:

From – To: January 2009 – February 2009

Role Title: Solutions Architect, SQL Migration Specialist, SQL DBA/ SQL Developer

Description: This contract was a short term contract to migrate 3 standalone production servers to a dual node cluster Windows 2008 64 bit and SQL Server 2008 64 bit; the migration involved standardising the collation across the three servers, and migrating all the 30 prods databases to a native SQL 2008 db environment. This also involved transference of 128 DTS packages through to SSIS packages, and also creating a brand new native SQL 2008 reporting server with SharePoint 2007. Also the security model used was integrated with Windows, both from the application side and SQL.

Skills Used: SQL Server 2008, T-SQL, ASP.NET Framework 2.0 – 3.5, Win 2K8, SQL 2000, SharePoint 2007

Customer: Unitrans Ltd, Southall, Middlesex, London

From – To: March 2008 – December 2008

Role Title: SQL Architect, SQL DBA /Solutions Architect/ SQL Developer

Description: LDFM required an individual who was apt at designing solutions in and around the core SQL Server technology, and also who knew and understood the fundamental principles of how Investment firms worked. LDFM was formed as a Hedge Fund, and came about into being from JP Morgan Whilst he has been here, he was involved in designing a new trade booking system, the backed SQL database configuration and development, implementing a SharePoint installation and integration with SSRS, this included engineering automated builds, designing feeds, investigating SQL 2008 features for use in their systems, designing security standards, and useful coding standards. He also coded in .NET using RDL files for SQL Reporting Services, and used C# and ASP.NET to build a web based application that can execute simplistic reports pre-defined in stored procedures, but present them in a more customisable way.

His role here involved the following:-

- SQL 2005 database development & administration and SQL performance and optimisation
- Infrastructure development and design
- Application trader development
- SharePoint 2007 implementation
- SSRS – Creation and migration of the SQL Server 2005 dashboard
- SSAS _ Set up and testing if simple cubes, defining dimensions
- SSIS – Creation of new SSIS packages from DTS
- C#, ASP.NET development for ad-hoc web based solutions for improved reporting
- Patching
- SQL cluster builds
- Data resilience and design
- New archiving strategies using database mirroring / replication and user defined log shipping
- New architectural designs using BizTalk and Websphere
- Bloomberg and Reuters Pricing designs

Skills Used: SQL Server 2005, T-SQL, C #, ASP.NET Framework 2.0 – 3.5, Win 2K8, Clusters, NetApp, Web sphere , & MSFT BizTalk Server, SharePoint 2007
Customer: London Diversified Fund Management, Mayfair, London

From – To: July 2007 – March 2008
Role Title: Solutions Architect, SQL DBA / /Developer/ .NET Development
Description: Bought on to improve the existing infrastructure, and engineer automated builds and develop install standards.

- Advanced DBA automation using scripts, maintenance plans
- General DBA / Development Duties
- Writing Import / Export Stored Procedures
- SQL Migration from SQL 2000 to SQL 2005
- SQL Cluster installs 2 + 1 installs
- SQL DTS development and SSIS package development
- T-SQL – Stored procedure development and enhancement
- Performance tuning
- SSRS with SharePoint 2007
- SSIS
- C# development
- ASP.Net

Skills Used: SQL Server 2000 T-SQL, DTS, C #, VB, ASP
Customer: Vanco Corporation Ltd, London

From – To: January 2007 – June 2007
Role Title: Team Lead Solutions Architect / Senior DBA / Developer
Description: Business Exposure:

- ETFS (Extended Trading Front Office Systems)
- Front office database support

I T Exposure:

- He started as the senior technical team lead for a team of 12 people, 8 on shore and 4 offshore.
- He was providing a bridge of communication between senior management and technical staff

Team Lead:

- Application development & support SQL 6.5, 7, 2000 / SQL 2005
- Active / Passive clustering 3 + 2, and 2 + 1 configurations
- DTS
- Replication – merge, transactional and snapshot
- Stored procedure enhancement
- Project technical design

Skills Used: Technical Team lead, infrastructure design SQL 2005 / SQL 2000
Customer: ABN AMRO, 250 Bishopsgate, London

From – To: September 2006 – December 2006
Role Title: SQL 2005/ 2000 Specialist /Production DBA /Certification Engineer
Description: Business Exposure:

- Prime services trading mechanisms
- Bloomberg / Reuters pricing analysis
- Trade reconciliation
- FX hedging

I T Exposure:

- In depth knowledge of SQL 2000/ including DTS, replication, profiler, T-SQL enhancement
- SQL 2005 & SQL 2000 engineering builds
- SQL Server 2005 / 2000 cluster, standalone and co-host builds
- Design and implement quality assurance strategies for certification into key business areas prime services
- Clustered environments, failover strategies DR included
- IP issue resolution
- Use of PERL to automate these builds
- SQL 2005 workstation tools
- SAC , SQL management studio, database tuning advisor

Skills Used: SQL 2005 cluster & standalone installation, testing strategy development, SQL 2000

Customer: Credit Suisse, Investment Banking Division Systems
5 Canada Square, Canary Wharf

From – To: June 2006 – September 2006

Role Title: Application Developer SQL DBA / SQL Developer

Description: Business Exposure:

- Portfolio trade support for front office
- Analysis for new in house risk based system
- Improvements on credit risk practices and methodologies, equity based
- Break down of active risk of a portfolio of trades relating to market risk
- Risk extrapolations on capital invested
- Wealth management & private banking application development
- Index pricing
- Hedging principle based upon trade risk evaluation
- Analysis of derivatives options, interest rate swaps, futures, analysis and measuring of Greeks.

I T Exposure:

- Hybrid DBA and development DBA skills
- Bloomberg pricing using DTS
- VB Script
- Front end Java development
- T-SQL development
- DBA archiving techniques

Skills Used: T-SQL, stored procedure development, DTS, VBScript, Java, SQL Support

Customer: UBS - Located in 2 cities - London & Zurich

From – To: August 2004 – April 2006

Role Title: Production SQL Developer / SQL Consultant

Description: As a SQL developer his role here is to protect, maintain and improve the existing SQL Server production environment by way of developing solutions for existing mortgage applications.

Skills Used: SQL Server, DTS, infrastructure design, performance & optimisation, development enhancement

Customer: GMAC RFC (Financial Services)

From – To: April 2003 - August 2004

Role Title: Senior SQL Architect & DBA / Developer

Description: As a SQL Server technologist, his responsibilities were 2 fold. Firstly to implement technological improvements by use of SQL Server which facilitated their basic front office trading and middle office functions, these functions were trade, P&L and position data scheduling, overnight loads from various disparate

data sources, Bloomberg, Reuters. Use of a staging area for data manipulation, and middle office reporting functions.

Business Exposure:

- Front Office Trade support
- P&L derivation / pairs and correlative trading methods
- Derivatives, futures, options, interest rate swaps
- Reconciliation of position reports
- Middle office Net Asset Valuation reports
- Daily reconciliations and controls for middle office
- Front office, completion of daily P&L reports, including swaps, futures, bonds and credit defaults
- SOX and FSA compliance

I T Exposure:

- Production DBA and development DBA skills
- Architectural and infrastructure development
- Bloomberg & Reuters pricing using FTP, XML and DTS
- VB Script, JavaScript
- DR implementation / SLA policies
- SOX and FSA compliance auditing enhancements on SQL
- T-SQL development
- DBA archiving techniques
- DBA security requirements

Skills Used: SQL Server 2000, DTS, VB, ASP
Customer: CQS Management Limited (Hedge Fund)

From – To: July 2001 - October 2001

Role Title: SQL DBA /Consultant / Architect

Description: This company dealt with secure, on-line e-finance solutions. These solutions comprised of commercial internet banking solutions. Internationalisation of on-line functionality, and heterogeneous integration of data repositories
 As a DBA and Architect Consultant he was involved in system design, development of infrastructure designs, XML and XSL-T scripts and MTS components in VB technologies and their interaction with SQL.

Skills Used: SQL DTS, Replication, XML, XSL, COM, MTS
Customer: Corrilian Corporation (E-Finance Implementation specialists)

From – To: April 2000 - April 2001

Role Title: SQL Consultant, Developer, Database Design & Architect specialist

Description: This company was a specialist in business process modelling, and my role involved many specialist SQL skills.
 Inclusive of SQL database design, n tier, infrastructure design, DTS manipulation. Stored procedure development and various call methods, for securing customisation.

Skills Used: T-SQL, Normalisation, DTS, Replication, Error handling, P & O
Customer: Onyx Software Corporation (CRM specialists)

From – To: January 2000 - April 2000

Role Title: Database Security Consultant

Description: The ministry of defence required an individual who had strong database skills, but also good security understanding. The project involved securing the existing data, by use of strict SQL and O/S security protocols, but also involved other hacking tools that were being used to penetrate their secure data.

Skills Used: SQL Server Security, NTFS file based security, hacking techniques etc



Customer: IBM contracted out to the Ministry of Defence UK (Bedfont Lakes)

From – To: January 1999 - November 1999

Role Title: Technical Consultant, Junior SQL Server migration specialist

Description: He was predominantly involved in designing and migration plans and streamlining existing processes. Automation of SQL Server procedures through repeatable stored procedures and jobs, DB stored procedures and triggers, etc.

Skills Used: NT, SQL, Novell MTS, Exchange, etc

Customer: Merrill Lynch

Education:

Bachelor of Science (Mathematics & Computer Science)

Certifications:

Microsoft Certified Instructor

MCT

Microsoft Certified Systems Engineer

MCSE

Microsoft Certified Database Administrator

MCDBA

Microsoft Certified Professional + Internet

MCP + Internet