

Jeremy Lowell, Principal

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Data Realized, LLC

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Results-driven technology consultant with proven expertise in enterprise-class database solutions.

Founded Data Realized, LLC, to provide these services at the greatest possible value for Fortune 500 companies, universities, small businesses, and startups.

HIGHLIGHTS

- Reduced database support costs by 40% by implementing performance tuning and stability measures
- Maintained 99% uptime for core sales support systems during a 6-month period, resulting in two straight quarters of 120% sales to goal performance
- Provided analysis of system architecture and design that decreased load times by a factor of 6
- Implemented table partitioning (SQL Server 2000) on tables in excess of 500 GB, increasing load performance by more than 800% and report performance by more than 60%
- Developed roll-up procedures and custom reporting with direct client interface for top 10 clients
- Speaker on “SQL Server Internals” at Dev Connections in Las Vegas, NV—Fall 2008
- Speaker on “SQL 101 Track” for SSWUG’s virtual conference—Spring 2009

EXPERIENCE

Database Architecture

- Specialize in RDBMS technologies on Windows platform
- VLDB design, architecture, development, and performance tuning, using agile and waterfall methodologies
- Create data warehouses through in-depth data discovery and transformation to a common platform
- Build revenue-generating backend/databases for various product lines

Design and Implementation

- Solutions in SQL Server versions 6.5 to 2005, and advanced prep and analysis of SQL Server 2008
- Enterprise solution using SSRS 2005 and OLAP to replace more than 400 Seagate reports
- Horizontal partitions on tables in excess of 500 million records in SQL Server 2000
- Insurance rating and pricing engine for corporate financial division
- Requirements to satisfy CISP compliance, including automated tracing and storing
- Logical and physical data models to support specific needs in SQL Server and Oracle
- Data-flow process, linking mechanisms such as call tracker to accounting record for NAS calls

Database Administration

- Provide system analysis and recommendations; propose solutions to executives, management, and staff
- Discover and resolve glitches in Microsoft software that have resulted the development of hot fixes
- Maintain databases in excess of 1TB for performance, backup times, san architecture, and archiving data
- Author procedures and standards for RDBMS technologies, including best practices, performance metrics, naming conventions and change control processes

Leadership

- Led team converting RDBMS solutions from Oracle, VAX and FoxPro to SQL Server
- Led team conceptualizing business needs and modeling software solutions
- Led significant database development projects including stored procedure development, DTS/SSIS development, data modeling, design, and architecture using various SQL Servers, Oracle 9i, and Oracle 10g

Operating Systems – Windows, ranging from NT 3.5 to Server 2008

PAST AND PRESENT CLIENTELE

<i>Attain Technologies</i>	<i>ICG Communications</i>	<i>NotionONE</i>	<i>Wells Fargo</i>
<i>Avaya Communication</i>	<i>Lucent</i>	<i>Oxford International</i>	<i>WorldCom</i>
<i>First Horizon Merchant</i>	<i>MCI</i>	<i>Regis University</i>	
<i>Home Buyers Warranty</i>	<i>Norwest</i>	<i>StorePerform Technologies</i>	

TOOLS AND TERMINOLOGY

Tools

CVS	ErWin	Oracle	Toad	Visio
DB Pro	Idera	TFS	VSS	Zachman Framework
Enterprise Architect	RedGate			

Relevant Technology

Clustering	Normalization	Stored Procedure Development
Constraints	Notification Services	Synonyms
Data Architecture	OLAP	SQL Mail
Data Dictionary	OLTP	SQL Server 6.5
Data Marts	Partitioning	SQL Server 7.0
Data Migration	Performance Tuning	SQL Server 2000
Data Warehouse	PL/SQL Development	SQL Server 2005
Database Architecture	Re-factoring	SQL Server 2008
Design	Replication	SSIS
Distributed Transactions	Reporting Services	Triggers
DSS	San Configuration	Troubleshooting
Linked Servers	Star Schemas	T-SQL Development

AFFILIATIONS

Participating Member on Standards Bodies
Participating Member on I2PADS Joint FSTC/OMG Project
Member of the Finance Domain Task Force
DevConnections Speaker – Fall 2008
SSWUG Virtual Conference Speaker – Spring 2009

REFERENCES

Available upon request.