

**Objective:**

Provide world-class consulting, database administration, and support services to IBM Information Management clients and business partners implementing IBM DB2 database technologies on open systems platforms with DB2 for Linux, Unix, and Windows (DB2 for LUW).

**Profile:**

Over ten years relational database management systems experience with DB2 Data Server for Linux, Unix, and Windows (DB2 LUW) in industries including; software, hardware, defense, manufacturing, insurance, entertainment, retail, cable, utilities, transport, parcel, money transfer, bill payment, banking, federal and state governments. IBM certified Advanced DB2 Database Administrator v8 and v9 with extensive hands on experience with IBM information management technologies including:

- ✓ Installation, configuration, and upgrade experience (including automated response file) on both symmetrical multi-processing (SMP) and massively parallel processor (MPP) servers with enterprise storage area networks (SAN) including VMware virtual machine servers and multiple DB2 versions.
- ✓ Instance and database creation and configuration (including auto-configure) in non-partitioned and partitioned database servers including multiple logical (MLP) and multiple physical partition (MPP) configurations.
- ✓ Client server communications configuration experience using TCP/IP, NetBIOS, SNA (APPC), IPX/SPX, and clustering over system area networks with TCP/IP and Virtual Interface Architecture (VIA) protocols.
- ✓ Database utility experience including reorg, runstats, rebind, export, import, load, auto-load, backup, restore and recover database utilities.
- ✓ Database backup and recovery experience with online full and incremental backups, online and offline transaction log archiving, restore and roll-forward (including redirected restore), and recover database utilities.
- ✓ High availability (HA) and disaster recovery (DR) experience with DB2 HADR, offline transaction log shipping, split mirror images, data replication, and Microsoft Clustering Services (MSCS) using SCSI and SAN subsystems.
- ✓ Instance and database monitoring and tuning experience using the DB2 Health Center, Snapshot and Event monitors to monitor and optimize instance and database configuration parameters, table spaces, and buffer pools.
- ✓ Database and SQL statement access plan optimization experience with DB2's Explain, Visual Explain, and Design Advisor tools.
- ✓ Data replication experience using DB2 Data Replication (DPropR) from DB2 mainframe and DB2 to DB2 client/server databases including Replicas (update anywhere) subscriptions.
- ✓ Stored procedure (SP), user defined function (UDF), and user defined table function experience with DB2 SQL/PL.
- ✓ Database analysis, design, and reverse-engineering experience using Power Designer Data Architect, Embarcadero ER/Studio, and ERwin.
- ✓ DB2 system, instance, and database security and auditing experience using table definitions, triggers, data replication, and automated monitoring and alerting of security events recorded by the DB2 Audit Facility.
- ✓ Extensive experience automating database maintenance and monitoring with shell scripts including automating system event logging, e-mail alert notification, and reporting using the DB2 utilities and Command Line Processor (CLP) with the Windows Shell, Windows Scripting Host (WSH), and Open Object REXX.
- ✓ Database migration experience from DB2 on mainframe platforms to DB2 for Windows as well as Sybase ASE and Sybase SQL Anywhere to DB2 for Linux with the IBM DB2 Migration Toolkit.
- ✓ IBM Problem management, and resolution (PMR) experience with DB2 diagnostic log facility, administration notification log, trace facilities, db2 inspect, DB2 database analysis reporting tool (db2dart) and the IBM DB2 Lab.

## **Experience:**

**(09/2010 – 11/2010) Fiserv, Inc, Norcross, GA** - Provided DB2 consulting to one of the leading global providers of financial services technology solutions Source Capture Optimization (SCO) DB2 v9.7 migration project. Primary responsibilities included design, document, and deployment of local high availability and remote disaster recovery solution with Microsoft's Cluster Service (MSCS) and IBM's High Availability Disaster Recovery (HADR) after migrating database from 32-bit DB2 v9.1 Express to 64-bit DB2 v9.7 Workgroup Server on 64-bit Windows Server 2003. Additional responsibilities included developing HADR database monitor scripts to monitor the standby database every sixty seconds and force database takeover before the HADR peer window expired.

**(06/2010 – 10/2010) Mueller, Inc, Ballinger, TX** - Provided DB2 database migration for Mueller's DB2 v9.5 migration project. Primary responsibilities included planning and upgrading Mueller's test, development, and production Data Connect JD Edwards (DCJDE) environments running DB2 v8.1 on Windows 2000 Server to DB2 v8.2 and subsequently installing and migrating systems to DB2 v9.5 on Windows Server 2003 on VmWare.

**(09/2005 - 4/2010) Harbor Payments an American Express Company, Atlanta, GA** - Provided DB2 database administration for one of the nation's leading providers of electronic invoicing, billing, and payment solutions. Primary duties included; DB2 database administration, application development support, and 24x7 production support for the Billing Harbor platform running v8, v7, v6, and v5 on Windows Server 2003, Windows 2000 Server, and Windows NT operating systems. Initial tasks included problem management resolution of DB2 process thread leak causing DB2 system stability issues with DB2 v8.1 on Windows Server 2003, and providing a comprehensive plan to upgrade and standardize production, test, and development database servers. Additional tasks included; upgrading DB2 servers to latest fix pack levels, migrating servers, instances, and databases to DB2 v9.5, v8.2, v7.2 and v6.1, standardizing both DB2 instance and database configurations, standardizing database schemas, and scheduling database maintenance across production, test, and development environments. Developed and implemented DB2 system, instance, and database high availability disaster recovery monitoring and failover procedures, developed security auditing and audit reports for PCI and SAS70 compliance, worked with developers to resolve application and performance issues, and authored and maintained Billing Harbor DB2 systems documentation including; installation, configuration, maintenance, disaster recovery and security.

**(06/2008 – 02/2010) Worldwide Interactive Services, Orlando, FL** - Provided remote DB2 database administration and 24x7 production support for Worldwide DB2 Systems running DB2 v8.2 for Windows in a high availability disaster recovery environment. Primary duties included; installing DB2 software, configuring instances and databases, database maintenance, recovery, high availability, and security. Additional tasks included migrating development, test, and production environments from DB2 UDB v7.2 on Windows 2000 to DB2 UDB v8.2 on Windows Server 2002, implementing DB2 high availability disaster recover (HADR) across data centers, problem management resolution, database and SQL statement tuning, automating all database maintenance, configuration, recovery, monitoring, failover, and security auditing of DB2 database servers in addition to documenting all aspects of Worldwide DB2 Systems. Provided post database migration and HADR database administration and support through 02/2010.

**(06/2005 - 08/2005) UNO Money Transfers, Miami, FL** - Provided DB2 database migration, development, and administration support for one of the nation's leading providers of money transfer services to and from North America, Latin America, Caribbean, Europe, Africa, Asia, and Middle East. This DB2 database migration project involved migrating client's Cash Drawer system's database from Sybase SQL Anywhere to DB2 v8.2. Primary responsibilities included: migration of database, table spaces, tables, indexes, foreign keys, and production data; porting over 200 functions, triggers, and stored procedures; installing and configuring DB2 Information Integrator v8.2.2; establishing federated database table access and user defined function mappings from DB2 to Sybase SQL Anywhere.

**(06/2003 - 11/2004) Time Warner Cable, Herndon, VA** - Provided remote DB2 administration and application development support to one of the nation's largest North American cable service providers. The goal of this web self care project is to provide cable service subscribers with a web based interface to register for electronic bill payments. Responsibilities include installing, configuring, documenting, and providing support for production and development databases using DB2 v7.2 Enterprise Edition for Windows 2000. Installed and configured DB2 Data Replication on

production database servers using replica (update anywhere) subscriptions for high availability as well as Microsoft Clustering Services.

**(06/2004 - 09/2004) UNO Money Transfers, Miami, FL** - Provided DB2 database migration, development, and administration support for one of the nation's leading providers of money transfer services. This DB2 database migration project involved migrating client's Money Transfer system's database from Sybase SQL Anywhere to DB2 UDB v8.2. Primary responsibilities included: migration of database, tablespaces, tables, indexes, and views; porting of functions, triggers, and stored procedures; unloading and loading production data. Provided support for application developers and system administrator during migration. Developed shell scripts for automating DB2 software installs, configuring instances, creating databases, and loading data.

**(05/2003 - 06/2003) America Online, Dulles, VA** - Performed DB2 consulting for on of the nation's largest Internet Service Provider. The goal of this DB2 v8.1 ESE project was to evaluate and benchmark alternatives to client's existing Red Brick data warehouse environment with DB2 for Solaris on large SMP E15K server and DB2 for Linux on Egenera BladeFrame cluster. Tasks included installing and configuring DB2 v8.1 ESE for Linux on Egenera BladeFrame cluster running Red Hat Linux Advanced Server v2.1. Loading, benchmarking, and tuning client's data warehouse in various multiple logical partitions (MLP) and multiple physical partitioned (MPP) database server configurations until DB2 for Linux on the Egenera BladeFrame cluster outperformed DB2 on Sun Solaris E15K.

**(02/2003 - 10/2003) Starite Industries, Delevan, WI** - Performed DB2 performance and tuning support for international manufacturer of pumps and water systems. This engagement involved DB2 system, instance, and database monitoring and tuning of client's production Siebel 2000 v6.3 Call Center system running DB2 v6.1 on Windows NT 4.0. Tasks included tuning Windows NT for database server role, configuring instances and database configuration parameters, and optimizing table spaces and buffer pools for the production Siebel 2000 Call Center database. Provided remote DB2 Database Administration with 24x7 support through 10/2005 when system was migrated to SAP.

**(02/2001 - 12/2002) Allstate Insurance, Northbrook, IL** - Performed DB2 administration, migration, and benchmarking for Inter-platform Comparative Benchmark Evaluation (ICBE) team at national insurance company. This DB2 for Windows project migrated and benchmarked CRM data with DB2 v7.2 EEE on Windows 2000 Advanced Server scaling out on four 8-way 8 GB Compaq Proliant servers and DB2 v7.2 EE on Windows 2000 Datacenter Server scaling up on a single 32-way 32 GB Unisys ES7000 server. The goal of this project was to evaluate and benchmark alternatives to client's existing data warehouse environment and measure DB2 scalability in various configurations, including single, multiple logical node, and multiple physical node configurations in addition to evaluating merge scan and hash join performance using summary tables and provide customer with the necessary information required to request additional funding for the migration of existing systems from DB2 on OS/390 to DB2 on Windows 2000 Datacenter Server. Primary responsibilities included installing, configuring, benchmarking, and tuning VLDB with DB2 v7.2 EE and EEE on large Windows 2000 based servers in a SAN environment. Working directly with IBM DB2 developers in Toronto, Canada to evaluate and test internal engine configurations on high volume large-scale enterprise applications. In addition to installing, configuring, benchmarking, and tuning TPC-C databases with DB2 v7.2 and DB2 v8.1 on 4-way, 8-way, 16-way, and 32-way Windows 2000 Datacenter Servers and evaluating the relative DBMS performance of DB2 v7.2, Oracle 9i, and SQL Server 2000 on Windows 2000 Datacenter Server using industry standard TPC-C benchmark.

**(05/1999 - 11/2000) State of Michigan, Lansing, MI** - Performed DB2 administration and application development support for the Land Ownership Tracking System at state's Department of Natural Resources. This DB2 v6.1 on Windows NT project involved: Install and configure DB2 Workgroup Edition v6.1 for Windows NT; configure DB2 instances for development, test, user acceptance, and production environments. Install and configure DB2 Connect v6.1 for Windows NT for host connectivity (DRDA) via MS SNA Server (APPC) and TCP/IP protocols to DB2 for VM v6.1. Maintain physical data models using Power Builder Object Architect v7 including generating customized data definition specifically for DB2 v6.1 and DB2 database standards. Create customized backup, recovery, and maintenance procedures using IBM Object REXX v1.03 for automated backup with database transaction log purging and completion/failure notifications to database administrators.

**(11/1998 - 05/1999) State of Michigan, Lansing, MI** - Performed DB2 administration and development support for Public Land Auction System (PLAS) at state's Department of Natural Resources. This windows based client/server system developed in PowerBuilder is used to record and process the sale of tax reverted public land. Primary responsibilities include providing support for development and production databases on DB2 UDB Workgroup Edition v5.2 on both Windows NT Servers and Windows NT Laptops. Developed historical data auditing using data replication component of DB2 UDB for Windows NT. Developed customized data replication solution using IBM Object Rexx v1.03 to support replication of transient data to and from DB2 UDB Workgroup Edition running on laptops used at public land auctions held across the state. Developed customized advanced recovery solution for database backups restore, and cataloging to provide for end user database recovery in the event of a system failure at state auctions.

**(12/1997 - 11/1998) IBM Corporation, Southfield, MI** - Performed DB2 Universal Database consulting, services and support engagements for IBM Information Management customers as a Senior DB2 Systems Consultant at IBM's National DB2 UDB Consulting Practice.

#### **Certifications:**

- ✓ CompTIA Security+
- ✓ IBM Certified Advanced Database Administrator - DB2 v9, v8
- ✓ IBM Certified Advanced Technical Expert - DB2 Clustering (EEE)
- ✓ IBM Certified Advanced Technical Expert - DB2 Replication (DPROPR)
- ✓ IBM Certified Advanced Technical Expert - DB2 Connect (DRDA)
- ✓ IBM Certified Solutions Expert - DB2 UDB v7, v6, v5 Database Administrator
- ✓ IBM Certified Solutions Expert - DB2 UDB v7, v6, v5 Application Developer

#### **Education:**

- ✓ University of North Texas, Denton, TX, B.B.A. Business Computer Information Systems

#### **Accomplishments:**

- ✓ Author of *Doing More with More - The New and Improved DB2 UDB v8.2* published August 2004 by DB2 Magazine and Quest Pipelines Newsletter.
- ✓ Author of *More Scripting with DB2 UDB for Windows* published June 2004 by IBM DB2 Developer Works.
- ✓ Author of *DB2 UDB Scripting with Windows Scripting Host* article published November 2003 by IBM DB2 Developer Works.
- ✓ Speaker on *Scaling DB2 UDB on Windows Server 2003* at IBM's eServer xSeries 2003 Technical Conference, Orlando, FL.
- ✓ Co-author of IBM Redbook *Scaling DB2 UDB on Windows Server 2003* published September 2003 by IBM International Technical Support Organization, Almaden Research Center, San Jose, CA ([www.ibm.com/redbooks](http://www.ibm.com/redbooks)).
- ✓ Technical Editor for *Learning DB2 Universal Database* by Susan Visor and Bill Wong published August 2003 by SAMS Publishing.
- ✓ Instructor of *A Technical Introduction to DB2 Universal Database for Windows* delivered July 2003, February 2003, and March 2002.
- ✓ Author of *An Introduction to DB2 UDB Scripting on Windows* article published July 2003 by IBM DB2 Developer Domain.
- ✓ Co-author of IBM Redbook *DB2 UDB Exploitation of Windows Environments* published March 2003 by IBM International Technical Support Organization, Almaden Research Center, San Jose, CA ([www.ibm.com/redbooks](http://www.ibm.com/redbooks)).
- ✓ Subject Matter Expert on IBM Professional Certification Team for IBM DB2 UDB 8.1 Advanced Database Administration for Linux, Unix, and Windows.
- ✓ Author of *Scaling-Up on Windows 2000 Datacenter* article published July 2002 by DB2 Magazine Online.
- ✓ Speaker on *Scaling-Up on Windows 2000 Datacenter Server* at International DB2 Users Group (IDUG) 2002 North America conference, San Diego, CA.