



SPECIALIST PROFILE

Personal Details

<i>Reference:</i>	SC2266
<i>Job Title:</i>	DB2 UDB Database Administrator
<i>Nationality:</i>	British
<i>IT Experience:</i>	40 years
<i>Qualifications:</i>	IBM Certified Database Administrator
<i>Languages:</i>	German
<i>Availability:</i>	On request

Overview

Architecture and Products:

AF/OPERATOR, AIX, BMC, BMC CATALOG MANAGER FOR DB2, BUSINESS OBJECTS, CA-COOL:GEN, CA-EASYTRIEVE, CA-LIBRARIAN, CHANGE MANAGER, CICS, DB2, DB2 DATAPROPAGATOR, DB2 PERFORMANCE MONITOR, DB2 UDB, DRDA, FILE-AID/CS, IMS, INFOMAN, ISPF, JES2, JES3, LDAP, LINUX, MQSERIES, MVS/ESA, NCP, OMEGAMON, ORACLE, OS/390 (MVS), PEOPLESOFT, PLATINUM, RACF, RATIONAL CLEARCASE, RECOVERY MANAGER FOR DB2, SMP/E, SPUFI, TSO/E, UNIX, VTAM, WEBSphere, WINDOWS, Z/OS (MVS).

Programming Languages:

ASSEMBLER, C++, CLIST, HTML, JAVA, PL/1, QMF, REXX, SAS, SQL.

Specialist Experience:

DB2 Database administration on LUW.
DB2 installation, customisation, maintenance and support.
DB2 UDB implementation on Windows and AIX.
Database design and development.



Overview

More than twenty years technical IT experience, currently specialising in DB2 for z/OS:

Extensive experience of building, implementing and supporting DB2 systems, associated products and facilities, particularly on mainframes but is also an IBM certified DB2 Administrator on LUW.

Major skills include: migration to new DB2 releases; development and implementation of software tools, utilities, system enhancements and other facilities; data replication; evaluation and installation of DB2 system and database products; performance monitoring and tuning of DB2 systems on z/OS; DB2 database administration; application implementation and SQL optimization, including data sharing implementation in complex environments; data modelling; data warehousing; change control implementation; problem management including the application of maintenance and the provision of technical education, and day to day support; disaster recovery planning; automation facilities.

Has contributed more than 35 Technical articles to IT magazines and websites, and most contain the source code of self-written tools. Involved in the conference planning, having previously attended and presented at many conferences in Europe and Australia.

Projects and Responsibilities

2009 - 2012

Contracted to a bank

- Worked on contract from May 2009 until December 2010, then transitioned to a client until December 2012, as a Database Systems Programmer primarily working on DB2 for z/OS.
- Supported major clients supporting 12 DB2 subsystems and 17 ObjectStar database environments in development and production, including DB2 migration from version 7.1 to 8.1 to 10, and ObjectStar Broker migration from version 4.9 to 5.0, plus maintenance and upgrades of BMC, CA and Compuware tools/utilities for DB2.
- Implemented Change Data Capture for replication of DB2 data from z/OS to Unix based databases
- Completed various other DB2 projects.
- Enhanced some existing DBA and systems programming tools and provided some new tools.
- Made presentations at International DB2 User Group conferences, then joined the conference planning committee.
- Contributed code for TSO/DB2 tools.

2008

Contracted to a bank

- Worked from July 2008 until December 2008, as a DB2 Database Administrator and Consultant with the DB2 Projects Group, working on applications on DB2 version 8 for z/OS.
- Primary activity was supporting over 50 DB2 Peoplesoft environments in development and production, including migration from version 8.8 to 9.0, implementation of changes to structures and checking SQL code, using BMC DB2 tools and utilities.
- Did quality assurance and general consultancy for various other DB2 projects.
- Enhanced some existing DBA tools and provided some new tools.
- Attended International DB2 User Group conference.
- Contributed code for two TSO/DB2 tools to the IDUG Code Place.



2007 - 2008

Contracted to a pensions & insurance company

- Worked from July 2007 until July 2008, as a DB2 Database Administrator, Systems Programmer and Consultant with the Technical Support Group.
- Primary activity was as the technical lead on the project to implement DB2 version 8 on z/OS, doing all the preparation and migrating from version 7, and advice given about exploitation of new DB2 V8 features.
- Supported DB2 Database Administrators (Production and Development), assisted with problem resolution and SQL tuning, reviewed housekeeping processes, reviewed bufferpool strategy, created and revised some database administration tools.
- Reviewed the DB2 setups, did DB2 system tuning and health checks, installed DB2 maintenance, assisted with datasharing setup, code-page conversion and CA DB2 administration tools.
- Contributed a technical article to Xephon MVS Update magazine and code to the IDUG Code Place.

2005 - 2007

Contracted to a bank

- Worked from June 2005 until May 2007, as a DB2 Database Administrator and Consultant with the Technical Support Group.
- Led the Database Administration group, and did implementation and migration of DB2 structures and data for many different environments used in the development and exploitation of a banking system, using BMC database administration tools.
- Coordinated migration project of DB2 for z/OS from version 7 to version 8, and assisted in the actual migrations.
- Created detailed project plans for the implementation of Websphere Replication Server for z/OS.
- Supported DB2 Database Administrators and developers on the development and implementation of a large banking application system using DB2 versions 7 & 8 on six z/OS systems. Implemented a bufferpool strategy, reviewed backup/recovery processes, migrated data structures and data, did SQL tuning, resolved problems, created some database administration tools and mentored less experienced staff.
- Implemented DB2 - RACF security, using passtickets for remote users.
- Reviewed the DB2 setups, did health checks and made recommendations for improvements to their DB2 Systems Programmers.
- Contributed technical articles to Xephon DB2 Update and MVS Update magazines, and self-written software to the MVS CBT-Tape (which has "freeware" contributed by MVS systems professionals).

2005 and 2006

Contracted to a software and services company

- Worked as a Technical Consultant.
- From April 2005 until June 2005, upgraded a product to work with DB2 version 8 on z/OS, while continuing support for previous versions of DB2. The product is a DB2 DBA or developer's tool. It has functionality including displaying (and updating) of DB2 Catalog information, Explain, displaying (and altering) Bufferpools, Exception monitoring, utility generation. It is written in Rexx, assembler and ISPF Dialog Management.
- From August 2006 until December 2006, the development was continued to extend the functionality, plus provide full support for DB2 version 8 and tolerance support for DB2 version 9 on z/OS.



2002 - 2004

Contracted to a government organisation

- Assigned from July 2002 until September 2004, as Principal Consultant working as DB2 Database Administrator and Systems Programmer.
- Implemented and maintained data replication from operational DB2 databases to Datawarehouses and Marts in DB2 for OS/390, (and also on Windows and AIX). Self-written monitors for DataPropagator were developed and implemented.
- Consultancy for the Production DBAs including DB2 system health checking and monitoring, recommendations for DB2 system tuning, backup and recovery, review of disaster recovery plans, assistance with DB2 system problems, and help with normal day to day tasks.
- Worked in the Development DBA team responsible for DB2 operational and datawarehouse databases: SQL performance tuning (online, batch and stored procedures), migration of data, data modelling, testing ETL and queries (Business Objects, batch and QMF online) on the datawarehouse, recommending structural database changes, upgrading & transforming databases, and maintaining a few hundred DB2 test databases on Windows.
- Assisted the DB2 systems programmers with the migration of a data-sharing DB2 from version 5 to version 7 on OS/390 and also migration DB2 version 6 to version 7 on z/OS.
- DB2 UDB version 8 implemented on Windows and AIX, and DataPropagator migrated from version 7 to version 8 on all platforms.
- Designed and developed various tools for DB2 DBA's to use on z/OS. For example, one of them is a set of enhancements for SPUFI so that it can be directly invoked from an edit of SQL, can run variable length input longer than 72 bytes and other improvements.
- Preparing and presenting training for permanent staff on diverse topics such as z/OS concepts, TSO/ISPF, DB2 utilities and DataPropagator (SQL Replication).
- Migration of DB2 on z/OS from version 7 to version 8 (Beta testing) and installation of new DB2 version 8 subsystems on z/OS.
- Contributed technical articles to Xephon DB2 Update and MVS Update magazines, and an article about getting the best from DataPropagator in the International DB2 User Group Solutions Journal.
- Gained IBM DB2 Certification for DB2/UDB version 8 Administration on Linux, Unix and Windows.

2001 - 2002

Contracted to a bank

- Worked from May 2001 until June 2002 as DB2 Systems Programmer and Database Administrator.
- Installing and implementing DataPropagator to constantly replicate a database from one OS/390 DB2 system to another as fast as possible. Writing a monitor for propagation (in Rexx, PL/I and assembler), integration of DataPropagator into System Automation.
- DB2 for OS/390 performance tuning, DB2 health checking, DB2 database administration, installation of maintenance and migration from version 6.1 to 7.1 of DB2.
- Installation and maintenance of DB2 Connect Enterprise Edition v7.1 and Data Joiner Replication Administration tool on Windows NT. Writing code to customise the SQL generated by DJRA for DataPropagator.
- Advice for application development about database design and SQL coding for many different projects. Data-modelling for various projects, some application coding in PL/I, and DB2 application database administration.
- Evaluating DB2 administration tools: Bufferpool Tool, and EZ-XOP Index Optimizer
- Contributed technical articles to Xephon DB2 Update, RACF Update and MVS Update magazines. These articles contain descriptions and code for various self-written user tools.
- Gained IBM DB2 Certification for DB2 version 7 Administration on OS/390 .



2000 - 2001

Contracted to a government organisation

- Assigned to EDS project for DWP in London, from August 2000 until May 2001, developing a Software Configuration Management system for application development and deployment. This was running primarily on Windows NT and partly on AIX, written in ObjectRexx, C++ and Java, and it produced reports in HTML. It controlled code from CoolGEN (on NT - DB2/UDB and AIX - Oracle), Clear Case (on NT), data from DB2 UDB (on NT), and deployed it on NT, AIX and MVS platforms. The applications were using Java and LDAP for their user interfaces on NT and DB2, CICS, MQ and Websphere on MVS for the main applications and data. It also involved configuring and maintaining many NT test server machines.
- DB2 UDB database administration for more than 500 test databases on Windows NT and AIX, using DB2 EEE versions 6.1 and 7.2 .

1998 - 2000

Contracted to an insurance company

- Assigned from September 1998 to June 2000, as an OS/390 and DB2 Systems Programmer, on a site running ten OS/390 V2.5 JES3 systems and ten DB2 V5.1 subsystems. The OS/390 systems included an eight-way sysplex. Responsibilities for OS/390 included installation and support of various systems products; Year 2000 project; making recommendations for software installation, maintenance and migration methods; advising on disaster recovery methods; developing TSO/ISPF tools and utilities; writing ISPF interface to NetView system automation; writing dialogs for installing and migrating SMP/E usermods; assisting with migration from OS/390 V1.2 to V2.5 and from V2.5 to V2.8.
- Responsibilities for DB2 included: installing maintenance for DB2 V5.1; installing and customising MainView for DB2; creating CF structures and implementing DB2 data-sharing; developing a DB2 Bufferpool monitor; DB2 performance tuning; DB2 health checking; installing DB2, QMF and Data Propagator V6.1 and migrating from V5.1 to V6.1 of DB2; training a new DB2 Systems Programmer.
- Also contributed many articles to Xephon MVS Update, DB2 Update and TSO/ISPF Update magazines, about various self-written user tools.

1997 - 1998

Assigned to a telecoms company

Assigned from June 1997 to August 1998, as a DB2 Systems Programmer on four OS/390 V2.4 JES2 systems. Main responsibilities included the provision of support for nine DB2 systems; system migration from V3.1 to V4.1 and the planning and implementation of DB2 V5.1; database administration, including the updating of standards and the provision of advice; implementing new DB2 features and preparing for data sharing; DB2 performance and tuning, using Omegamon, DB2/PM and the BMC Activity Monitor; DB2 problem determination and resolution; the customisation, implementation and support of the BMC product set for DB2 including Catalog Manager, Change Manager, Dasd Manager, Recovery Manager, Copy Plus, Load Plus, Unload Plus, Recover Plus, Opertune, XBM and the Activity Monitor; evaluating Platinum DB2 products and making recommendations; evaluation of REXX tools; the creation of various TSO/ISPF tools for DBAs and general users; installation and customisation of QMF, COOL:Gen and FileAID/DB2 and the provision of DB2 day to day support, including advice and general consultancy.

Previous experience details can be provided on request