

NATALKA ROSHAK

613-634-8924 / 613-583-8924
natalka@post.harvard.edu

745 Ridley Drive
Kingston, ON K7P 2A6

HIGHLIGHTS

- Oracle and Sybase Database Administrator, Analyst and Architect
- Experienced database programmer
- Fluent in French and English
- Educated at Harvard University
- Oracle Certified Professional (OCP)
- Regular columnist for Oracle trade magazine, orafaq.com
- Quick to understand new ideas
- Self-directed and effective

EDUCATION

1992 Certificate of Bilingual Competence (French), Western Canada High School
1999 B. A.. (Magna cum laude) in Philosophy and Mathematics, Harvard University
2004 Oracle Database Administrator Certified Professional (OCP)

COMPUTER EXPERIENCE

Languages: SQL, PL/SQL, T-SQL, Perl and Perl DBI / DBD::Oracle, bash scripting, ksh scripting, MS/DOS batch file scripting, HTML, QBE, ObjectPAL, C and C++, LISP, BASIC, several macro languages

Apps: Oracle 10g, 9iR2, 8i, 8; Sybase SQL Server and ASE, MS SQL Server 7; CASE tools (ErWIN), Oracle Designer 2000 - 9i; Paradox 5.0+, Infomaker; Vignette StoryServer, Windows 95/98/NT and Mac OS; Lotus 1-2-3, Quattro Pro, Excel, Claris Homepage, Word, etc.

Platforms: Windows 2000; Linux Red Hat Enterprise 3.0 64-bit; Solaris 2.5.1-2.8; NT SP 4

WORK HISTORY

July 2001 – August 2005 **Senior DBA, FAS Financial Office, Harvard University**

Carry out **all DBA duties**, including application and database tuning; administration of production instances; Oracle upgrades and patches; data modelling and application design; installation and configuration; developer support; etc. for **Oracle 8.1.5 - 9.2.0.6 on Windows NT-2000 and 9iR2 - 10g on Red Hat Linux.**

In addition, carry out **database analysis and programming**, with a focus on ETL and reconciliation.

Highlights:

- **Production administration** for live Oracle systems simultaneously hosting several OLTP and DSS applications, with wide variations in load
- Designed, created and maintain highly complex **ETL / data reconciliation** packages to carry out mixed load and reconciliation of data from several heterogenous data sources into central financial database.
- Extensive work with backend database tables of **PeopleSoft**
- Upgraded production and development systems from 8i to 9iR2
- Optimization, including optimization for **mixed OLTP/DSS systems**
- **Tuning:** I/O, memory usage, SQL optimization, rollback segment

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- configuration and optimization; database init & config parameters; etc.
- Designed schema for inventory application in Oracle Designer, including data model; designed and created ETL from static and warehouse sources for same
- **SQL optimization** for both OLTP and DSS applications
- Physical database design and configuration, including **server configuration** and future **capacity planning**
- Database **backup and restore**, including media recovery
- Coordinate and arrange cross-business-unit data flow with IT peers in other business units at Harvard

Sept. 2000 -
July 2001

Senior DBA, Savatar

Duties included **installation, configuration, tuning, and administration of Oracle 8/8i and Sybase** for production and development. Also performed light **UNIX system administration** duties.

Highlights:

- Production administration for live Sybase and Oracle OLTP / DSS systems
- Optimization, including optimization for mixed OLTP/DSS systems
- Upgrade of Sybase and Oracle database server software
- UNIX administration of production and development servers

Other duties included physical database design and configuration; data modelling using CASE tools (ErWIN); business analysis of data collected in databases, for business development support; reporting on historical data archived in production databases.

Jan. 2000 -
Sept. 2000

Senior DBA, Idiom Inc.

Duties included installation, configuration, administration and tuning of a **multi-instance Oracle 8i environment**, including interpretation of user requirements to provide appropriate database solutions. I was also responsible for **Oracle server upgrades**; configuration and administration of **NLS environment** for multilingual databases; troubleshooting and resolution of database problems and bugs. Duties also included assisting developers and technical consultants with **relational database design** and with **implementation**, including query optimization and writing stored procedures. In addition, I created the DBAdmin tools, written in **Perl and PL/SQL**, to facilitate text-based administration of multiple concurrent Oracle instances.

May 1998 –
Jan. 2000

Database administration, programming, and user support for Harvard University. Duties included creating the reporting system and reports for an in-house Oracle8 database application, ASPerIN; database administration for this database; and continued user support as outlined below.

June 1997 –
May 1998

User support for Harvard University, as student assistant to the University Hall and House support teams. Duties included creation of support webpages; hardware installation and troubleshooting; Novell account management; level 1 user support for the deans, the financial office, and the houses.

June 1996 –
Sept. 1996

Design and construction of statistical database system for entire Payment Services division of Credit Union Central Alberta. (Application developed in Paradox 5.0 for Windows and Lotus 1-2-3.) Position involved management of one developer.

REFERENCES

Available upon request.