

NATALKA ROSHAK

<http://rdbms-insight.com>

<http://toolkit.rdbms-insight.com>

HIGHLIGHTS

- Experience since 1996 in database consulting, application development, systems integration & database administration
- Senior Oracle and Sybase database architect, analyst & administrator; Oracle Certified Professional
- Experience with Oracle High Availability technologies (RAC and Data Guard)
- Educated at Harvard University
- Fluent in French and English
- Excellent communication skills: Published expert in the field
- Accustomed to taking the lead in project design and implementation
- Self-directed and effective

WORK HISTORY

Ongoing

Published Oracle expert

- Regular columnist for Oracle trade magazine, orafaq.com
- Published in other Oracle trade magazines, presented to DBA user group

August 2005
– current

Database Analysis, Architecture & Administration

- Freelance contractor based in Kingston, Ontario
- Clients include Harvard University
- Responsibilities include mentoring client employees, in addition to database administration, analysis & design
- Please see www.rdbms-insight.com for a full synopsis of offerings

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
- Created and administered **RAC and Data Guard** configurations
- Designed, created and maintain highly complex **ETL / data reconciliation** packages
- 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 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

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- Sept. 2000 – **Senior DBA, Savatar**
July 2001
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 – **Database administrator, Idiom Inc.**
Sept. 2000
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 – **Database administration, programming, and user support** for Harvard University.
Jan. 2000
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 – **User support** for Harvard University, as student assistant to the University Hall and
May 1998
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 – **Database consultant** for Credit Union Central Alberta.
Sept. 1996
- **Designed and constructed statistical database system** for Payment Services division of Credit Union Central Alberta, which processed all Albertan credit unions' cheques and payments.
 - **Interviewed VP and section heads** to determine business rules and design business processes, database, and algorithms.
 - **Determined business statistical needs**; sourced data & designed application to meet these needs.
 - Position involved **management of one developer**.

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)

REFERENCES

Available upon request.