

SUMMARY

- Solid Oracle database and RAC knowledge with over 10 years of working experience
- Excellent database architecture knowledge with 7 years of hands on project experience
- Experience in database design, database and application performance tuning and system integrations
- Rich industry domain knowledge including financial industry, logistic, software, manufactory, startups, government, telecommunication, etc.
- 4 years of team management experience
- Proficient problem solving and analysis skills
- Works efficiently under pressure and is able to meet tight project deadlines
- Team oriented with strong communication skills

PROFESSIONAL EXPERIENCE

mBLOX INC., 2007- Present

Senior Database Lead

mBlox is the world's largest mobile transaction network

General management of Oracle10g RAC and Postgres database (replication), which includes outage, performance troubleshooting, backup and recovery, software patching and upgrades, metrics gathering and reporting, monitoring and manage database users and associated security.

- Initiating/Implement daily communication/handover between globally members of database team.
- Review and troubleshooting database schema design given recommendation to data architect on purposed designed changes
- Recommendation and design real-time reporting structure.
- Design and implementing backup/restore solution.
- Develop and implementing ETL for reporting and billing process recovery.
- Database/Application Performance Tuning (Database, PL/SQL)
- Evaluate and recommendation for new technology.
- Established and implementation of software release management process between development and production databases team.
- Design/Implement database audit process/procedure and security policy.
- Implement and set out clear guideline and monitor indicator which allow monitoring/alert responsibility to NMC (network management center based in Singapore).
- Deploying packages as requirement for ongoing projects and/or fixing existing products and applications
- Maintaining and monitoring the scheduled events occur on the various databases.
- Growth and capacity planning to keeping management and the various stakeholder informed of impending resource increase (storage, processing power, etc)
- Informing, educating, and updating all application users and stakeholders when outage occurred or when planned maintenance will part or all services unavailable.
- Design Performance tuning and troubleshoot Business Object Report.
- Performing ad hoc report queries based on requests from the business.
- Install, patch upgrade database.

INFO CONNECT, INC., 1997- 2007

Consulting and Development Projects:

SupplyPoint Inc., San Jose, California

Database Architect

- Design and implement Data Mart and Data Mining database structure for *Supply Chain Management* Software on ORACLE database. using ERWin.
- Embed Business Intelligent in PL/SQL (Packages, functions) using SQL Navigator as development tool.
- Streamline current software workflows.
- Redesign business process.
- Redesign installation procedures.
- Gather Business Requirements.
- Redesign Extraction Procedures and Programs.
- Performance Tuning (Database and PL/SQL).
- Database Installations.
- Develop and implement ETL process.
- Manage and design Company Network Architecture.
- Setup company security policy.
- Interact with developer/project manager to gather system requirements.
- Research and design system requirements for network re-structuring.
- System Procurements.
- Daily Operation of IT Department.
- Design QA procedures and processes.
- Reassess skill level of IT Department.
- Technical Support.
- Technical Training for internal personnel.

Wells Fargo – Auto Finance Group, Systems Division, San Jose, California

Senior System Analyst responsible to design and implement Auto Finance System (SHAW System) for Wells Fargo Bank.

- Development of Auto Leasing Application
- Development of Auto Leasing Insurance Requirement Application
- Debug and troubleshooting application.
- Work with in house database administrator on application and database performance issue.
- Design database schema based on business requirements.

City of Toronto – Real Estates Department, Toronto, Ontario, Canada

Analyst/Senior software architect responsible to migrating data for amalgamated real estates department for City of Toronto. Merge real estate database with facility database (SPAN-FM).

- Gather all different filing system from formal cities.
- Using PL/SQL on ORACLE Database to migrate data into standard structure, and compare/merge/update with facility department's database.
- Analyzing database structure (Reverse Engineering) using Oracle Designer, and ERWin.
- Implementing additional real estates department requirements into SPAN-FM, by adding additional attributes.
- Successful merge Real Estate and Facility's Database.

Objective:

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To agglomerate real estates department for City of Toronto, and combine all formal cities database/file (*Sybase SQL Anywhere, Microsoft Access, Microsoft Excel Spread Sheets, Flat text file format and Oracle on Unix*) structure with facility department database. To use single database source to maintain City's property.

Canadian Swiss Reinsurance Information System (CRIS) , Toronto, Ontario, Canada

Lead developer responsible for SQLWindows/Centura design and development project on Accounting System module for Swiss Reinsurance Company using ORACLE database. To integrate accounting system with other reinsurance system modules (Treaty, Facultative, and Claims), and develop of Retro Modules to replace current catalog system. Design and implement user interface and database design according to user requirements. Integrating of Lotus Notes Documentation and e-mail system, develop class library, which is extension of standard class library.

- Gather user requirements through JAD Meetings.
- Tracking development progress by using MS Project and reports to project manager.
- Assign Tasks to developers.
- Design database modeling using ERWIN Diagram.
- Class Library design and implementation.
- Assist migration team with specification on database structure.
- Using Access database for migration process.
- Strategy meeting on production release.
- Coordinate coding standard and procedure for developer (PL/SQL).
- Coordinate with DBA on backup procedure, audit process, upload database, database design, PL/SQL code review, performance review and database space requirements.

Objective:

- Optimize all accounting related workflow.
- Use the information of Treaty, Facultative, Claims, and Retro Module efficiently.
- Provide better information for Underwriters and management. (Statistic, estimate)
- User friendly environment.
- Create interim solution of General Ledger to overcome year 2000 problems and replace current mainframe system.
- Accounting Data Migration from Legacy System to Client Server Environment (ORACLE Database) by using MS Access to create temporary tables and flat files for uploading/correcting data.

Asia Projects (China, Taiwan, Vietnam)

- Assists client to fulfill CMMI level 2 requirements
- Define and Implement SLA and OLA
- Actively involved in all strategic application development projects.
- Implement and Design network infrastructure for Application Service Provider
- Design and Implement data subscription and exchange schema for Application Service Provider
- Design and Implement application and data security to fulfill internal and different subscriber's requirement for SOA environment
- Mentor and train DBA staffs
- Assists organizations to migrate Oracle database and E-Business

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- Oracle database and E-Business remote monitor, performance tuning and problem solving and training for organizations (enterprise and non-profit) and local government
- Database consolidation
- Project management and system integration design
- Provide senior technical leadership to the database designer, DBA and programming team for local system integrators
- Guide the development and implementation of standards for data object naming, database design and procedures
- Partner with the project manager to identify and resolve project issues

THE CLIENT SERVER FACTORY, Toronto, Ontario, 1994-1997

Development Projects:

Engineering Process Automation System (EPAS)

SQLWindows Development of Work Flow Program for Baltimore Gas & Electric for their Engineering Department based findings of Engineering Process Improvement Team (EPIT). To streamline the current procedure used to perform engineering services. Changes to existing manual processes are currently being implemented and are documented in the recently revised administrative procedure. Integrating of Microsoft Word and Quick Viewer, also the integration with FileNet Image System using ORACLE database.

Objective:

To automate the processes surrounding the initiation, processing, and close-out of Engineering Service Package (ESP's).

- Reduction of ESP Cycle Time.
- Reduction of Low Value-Add Activities.
- Improved Control of ESP Process.

Chemistry Laboratory Information Management System (CHEMLINC)

SQLWindow Development/Enhancement/Configuration of Chemistry Laboratory Information Management System program for Ontario Hydro's Nuclear Generating Station's Chemistry Group using ORACLE database. This program is originated from Ontario Hydro's Darlington Nuclear Generating Station (using SQLBase).

- Analyze existing application.
- Enhancement and additional development on existing application.
- Enhance and modify existing database structure.
- Recommend long term and short term solutions.
- Migrating Waste Management System from Access to ORACLE Database.

Objective:

To customize, enhance and implement CHEMLINC in order to provide a comprehensive and effective laboratory information management system that meets the need of Nuclear Generating Station's Chemistry Group.

- Consolidate boiler data.
- Customize graph function.
- Provide bench sampling.

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- Re-Configure database design to improve program's flexibility.
- Implement Ontario Hydro's security standard (Encryption).
- Implement User's security according to user group specifications.
- Provide scripts for database creation and user security.
- Technical Manual.

ADVANCED SYSTEM INTEGRATION, Ottawa, Ontario, 1993-1994

Client/Server, Software Development & System Engineering

- **TAPS** (Transaction Automated Procurement System)
- **AMAX** (Asset Management Automated System).
- **TIMS** (Transaction Inventory Management System); Developed, designed, functional Spec for TSB (Transport Safety Board), using SQLWindows 5.x, and Borland C++.
- **ESP** (Electronic Payment Authorization); Developed, designed for PSC (Public Service Commission), using SQLWindows 5.x. This program is a modification of TAPS project with add on of an electronic payment system.
- **Localization** (Translation Program); Designed and developed translation program in coding stage from English to French for TAPS, AMAX, and TIMS using SQLWindows 5.x.
- **AssetPro**
- Implement, and fully debug Procurement (Purchasing), Admin (Database Administration Tool) and Compare Utility for software and Hardware Scanning in Asset Management using SQLWindows 4.x, 5.x, MS Visual C++ as development tools. Use ORACLE, Sybase, MS SQL Server, SQLBase, DB2/2 and Informix as database backends.
- **Data Mover:**
- Designed, implemented and debugged data migration program. This program is a utility tool that provides user (developed in SQLWindows) data extraction from one database to another. Currently this program will support Gupta SQLBase, MS SQL Server version 6.x and ORACLE version 7.1.x databases.

INSTRUCTOR TRAINING

Shin Shin Training Center, San Jose, California

Instructor for Oracle Database, Data Warehouse, Data Mart, Data Mining and Oracle ERP (General Ledger).

Willis Business College, Ottawa, Ontario

Teacher Assistance.

Instructor for Pascal, C, C++, Oracle Database.

PCSchool, Taiwan

Instructor for Oracle Database.

EDUCATION

University of Iowa, Iowa City, Iowa

- B. S. in Computer Mathematics.

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Willis Business College, Ottawa, Ontario.

- Diploma program in Software Development & Programming Analysis.

Edgemont High School, Scarsdale, New York

CERTIFICATIONS

- Oracle 8, Oracle 8i, Oracle 9i, Oracle 10g
- Introduction to CMMI-Dev 1.2

TECHNICAL SKILLS

Programming Languages:

ORACLE Case Tools, Centura Team Developer 1.x, 2000, SQLWindows 4.x, 5.x, Centura Builder 1.x, Microsoft Visual C++, Borland C++ 3.x, 4.x with Database Tools, Microsoft Visual Basic, Pascal, FORTRAN 77, Assembler Language, PowerBuilder, C Database Development, Microsoft SQL Server Development Tool for DOS, Windows, NT, OOP Technique, QA Partner, ODBC, PL/SQL, Delphi, Visual Test, Java, .NET

Database Client/Server:

ORACLE 6, 7, 8i, 9i & 10g, Postgres, SQL Plus, SQL Forms, SQL MENU, SQLPLUS Reports, SQL Navigator, MySQL, Sysbase 4.x & System 10, MS SQL Server, DB2, DB2 for OS/2, GUPTA SQLBase 5.x & 6.x, Informix, InfoMaker, Data Junction, Gupta Quest, Database Report Writer, IMPROMPTU2 & 3.

Software Application

Business Object Reporting, Oracle Migration Workbench, Oracle Warehouse Builder, ERWin., Crystal Clear, Crystal Report, Microsoft Office 4.x, 95 & 97, Corel Draw 4.x & 5.x, Access, Paradox, dBASE.

INTERESTS

Outdoor activities, sports, computer, movie, reading