

**John Tong**

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**SUMMARY**

Experienced Sr. DBA and Sr. Cloud Engineer, especially in Oracle products, Financial, EBS and Ellucian ERP Products.

Seeking for Long & Short term jobs & tasks using by my expertise.

**COMPUTER SKILLS**

- AWS: IaaS, EC2, S3, IAM, AMI, VPC, Internet & NAT Gateways, Subnet, Security Group, Network ACL
- ORACLE E-Business Suite: Oracle Financial 10.7, 11i, R12 ERP, Application Tier Admin, Web & Form Service, AD tools, Concurrent Manager, Auto Configure, Work Flow, RAC.
- ORACLE WebLogic: 10.3.4, 10.3.5, 10.3.6
- ORACLE OFM: 11.1.1.x - 11.1.2.2
- ORACLE Business Intelligence (OBIEE) 11.1.1.7, 11.1.1.9
- RAC: RAC system on Linux and AIX (9i, 10g version 1, 10g version 2, 11g) ASM, OCFS2, Raw Device
- ORACLE Application Server: 10g, 9ias Release 1, 9ias release 2, OC4J, J2EE, iAS, OAS
- ORACLE Tools: Portal, Web DB, Enterprise Manager, EMDC Grid Control, Cloud Control
- ORACLE Replication: standby DB, Stream Replication, Golden Gate, ggsci tool
- Database Type: Object-Oriented DB, Object-Relational DB, Relational DB
- Database: Oracle (7, 8i, 9i, 10g, 11g, 12C), RDB
- DB Tool: ERWin, Designer 6i, Quest DB Tools, Quest TOAD, PL/SQL Developer, Obacktrack, SMO
- Ellucian EPR system: Ellucian Banner system for education Banner 8 on WebLogic & Tomcat.
- Ellucian XE system: Ellucian Banner XE & 9 system. ESM, Jenkins, Application Navigator, Admin Pages
- Ellucian Applications: BDM (8.5), ODS (8.2-8.5), workflow (8.2-8.5), BEIS (ssomgr, IDEU), Degree Work
- TOMCAT: tomcat 7 & 8
- System: LINUX 4/5/6/7, UNIX, IBM AIX (4.3, 5L), Sun Solaris (2.6,7,8,9), VAX/VMS
- Language: Shell Scripts, SQL, PL/SQL, C, Fortran, Pascal, JAVA, HTML, HTP
- Other ERP System: PDM, ASPECT for Engineering Enterprise System
- Data Warehouse: dimension table, Star schema, Snowflake Schema

**DBA TRAINING CERTIFICATE**

- Banner XE ESM certificate (2017) Ellucian
- Banner Banner XE Transformation Administrative Pages certificate (2017) Ellucian
- Banner XE Workshop: ESM, EIS, AppNav, AdminPages (2017) Ellucian
- Oracle 12C training by Ellucian (2016)
- Oracle Exadata workshop (2010) From Oracle
- Oracle 11g New Feature workshop (2009) From Oracle
- Oracle SOA (Service-Oriented Architecture) (2009) From Oracle
- Microsoft SQL Server administration for experienced Oracle DBA (2008)
- Oracle BAM (Business Application Management) (2007) From Oracle
- Database Performance Tuning (2006) From Oracle
- Oracle Real Application Cluster Workshop (RAC) (2006) From Oracle
- Oracle Database 10g: New Features for Administrators (2005) From Oracle

- Oracle 8 Database Administration (2000) From Oracle
- Oracle 7 Database Administration (1998) From Oracle
- OTHER TRAINING
- IOUG: Training on Oracle Real Application Cluster (RAC), ASM & RMAN (2006)
- IOUG: Training on Backup & Recovery, Performance tuning (2004)
- Oracle Open World Training on DB, 9iAS, Oracle Portal (2002)
- Oracle Application User Group (OAUG) Training on ERP Oracle Financial (2001)

#### **AWARD**

- Sprit Award Ellucian (2012)
- Model of Excellence Nominee: Univ. of Pennsylvania (2006)
- Model of Excellence Nominee: Univ. of Pennsylvania (2005)
- Model of Excellence Honorable Mention: Univ. of Pennsylvania (2004)
- Model of Excellence Honorable Mention: Univ. of Pennsylvania (2003)
- Performance Recognition Award (Silver): For 4.4 database system release (1998).

#### **EXPERIENCES**

##### **CEO & Architecture, ScientiaTech Inc.**

**(2017-Present)**

- New Application development Architecture layout for system, database and webserver.

##### **Consultant as Sr. DBA, Yale University, USA**

**(2017-2018)**

- **ORACLE EBS (Enterprise Business Suite):** 12.1.3 system including DB tier and Application Tier, Web service & Forms Services operation & decommission
- **System migration:** Migrate system Oracle 11.2.0.4 DB on AIX to Oracle 12.1.0.2 on Linux using Oracle expdp & impdp and also XTTS ( **Oracle 12c** Platform Transportable Tablespace) for Terabyte databases migration from Big Endian AIX to Little Endian Linux.
- **Banner 8 to Banner9:** Application Navigator, admin page banner system setup, upgrade, implementation, operation on Oracle 12c DB and tomcat with ESM and Jenkins as main management system. Banner9 upgrades including Yale customization for ESM and Jenkins modification & customization of Ellucian upgrade procedures. Degree Work 4.1.3 system operation
- **ORACLE EBS (Enterprise Business Suite):** 12.1.3 system operation & decommission

##### **Sr. Cloud Solution Engineer, Ellucian & Sr. DBA SunGard, USA**

**(2010-2017)**

Ellucian separated from SunGard

- **Architecture:** Provide clients with the best practice in school system layout including IaaS AWS Lay out, VPC, EC2, S3, AWS Network Security, Oracle & tomcat web servers on Linux or EC2, Oracle database servers (11g & 12C) on Linux & EC2, operating system, system maintenance and operation, monitoring, backup and recovery etc. according to application requirements, such as ERP banner 8, XE, ODS, BDMS, Workflow, Degree Works.
- **Project Management:** Manage Oracle database projects for three schools in Banner 8 & 9 ERP application migration, upgrades, planning, system layout and requirements, best practice for application components such as server versions, Oracle database and Oracle & Tomcat web tier etc. on Linux or AWS System.
- **Advisory to school DBA management:** Working with application directors and managers to gather business requirements, provide the best practice to achieve the goal for their IaaS, AWS, Oracle & ERP Banner system. Help in making decisions on OS system, Oracle database, Oracle & Tomcat web service, ERP and related application such as ODS, workflow, degree works etc.
- **Implementation:** Make detailed plan for Banner system implementation. Take complete responsibilities for setup, installation, configuration and operations for 3 tier application system architecture. Managed 4 schools for all the tasks above on Linux or IaaS AWS

enviroments.

- **Migration:** migrate Oracle & ERP Banner system from AIX, Window, VAX, UNIX system to Linux or to Amazon IaaS AWS.
- **Documentation:** Document detailed steps for installation, configuration and maintenance.

**Main Projects completed independently:**

**Oracle & Ellucian ERP Banner system migration from window & VAX AMS to Linux**

- Took full responsibility for a school's migration (problematic originally) from the old Oracle & ERP (banner 7) system on window server and VAX VMS system to a new Target Banner 8 system with Oracle 11g DB and Oracle Weblogic Server.
- Provided a complete picture and plan for school manager and successfully migrated the whole system to the new Linux 5, Oracle database 11g, Oracle web logic 10.3.4 and Oracle OFM 11.1.1.4 INB SSB web server.
- Provided the detailed best practice to client for Oracle Data Store (ODS) system and implemented ODS on Linux 5, oracle 11.2.0.2 DB WebLogic 10.3.4 and report tool Oracle Business Intelligence (11.1.1.7, 11.1.1.9)
- Provided standards for schools with EPR Banner XE system layout and implemented EPR XE system on Linux 5, Oracle WebLogic 10.3.6.
- Took full responsibility for daily operations for Target System's, 16 Linux servers and 11 Oracle databases including monitoring system set up, Oracle RMAN and Export backup schedule, restore plan, application & database incident diagnosis, trouble shooting and solution 24x7, application upgrades and patching.

**Oracle & Ellucian Banner system migration from window & AIX to Linux**

- Took full responsibility for the migration project and successfully migrated from Oracle & Ellucian ERP (banner 7) to Target system (banner 8). School system include EPR Banner, workflow, Oracle Data Store, Degree Works with 13 Oracle Databases and 16 Oracle Weblogic servers.
- Responsible for Target System's daily operations.
- Wrote shell scripts to backup server side file system, on 16 servers
- Mongered daily operation including total about 50 servers and 34 Oracle databases myself for 3 universities and colleges.

**DBA, Elemica, USA**

**(2007-2010)**

- Took leading position to manage all oracle database (size from 100 Gigabyte to 1 Terabyte) and Data Warehouse. Maintained daily operation and on-call rotation, installation, configuration, capacity planning, architecture design on more than 50 instances.
- Installed and configured Microsoft SQL Server with version from SQL server 2000 to 2005. Set up and performed maintenance schedule for SQL servers including backup schedule, index rebuild, statistics gathering and disk space clean up. Maintained daily operations using Enterprise Manager and Server Management Studio (SSMS).
- Managed cluster databases using Grid Control for daily operation of RAC database on Red Hat Linux AS release 4 with version 9.2.0.8 migrated to 10.2.0.4 on OCFS and OCFS2. Tasks included installation & configuration for cluster, software, ASM, database, Linux system set up, database migration with upgrade.
- Migrated RAC from OCFS2 to ASM. Installed cluster, ASM and oracle software.
- Set up test environment for Replication and Standby database. Used grid control to implement and evaluate data guard and stream replication. Developed a method for replicating database. Golden Gate.
- Setup Grid Control with 10g OMS & agent installation, configuration and upgrade. The tasks included metric set up, warning, critical notification, and host monitoring
- Planned and executed RMAN Backup and restore tests of 13 crush simulation. Scheduled backup for more than 50 instances. Performed regular restore testing for production database for evaluation of backup copy.

**Sr. DBA, IKON Office Solutions, USA****(2006-2007)**

- Maintained Oracle ERP 11i (11.5.9) system on AIX Unix that consisted of 3 node database servers on RAC (Real Application Cluster) and 5 application load-balance servers. Performed routine tasks such as clone, system administration, patching, AD tools (admin, adctrl, adpatch), auto configuration. Set up Workflow Notification Mailer.
- Managed database of 8i & 9i & 10g with sizes from 50 Gigabytes to 5 Terabytes. Tasks included creation, cloning, installation, performance tuning, backup and recovery. Managed and patched database 10.1.0.4 on RAC system.
- Performed backup & Recovery by RMAN.
- Managed Web Server: WebLogic 8.1, 9iAS (1.0.2.2-9.0.2) and 10g (10.1.x) OAS, BPPEL (10.1.x) on AIX 5L and Window 2003. The work included installation, configuration & troubleshooting.

**Sr. DBA, University of Pennsylvania, USA****(2001-2006)**

- Upgraded Oracle ERP 11i system on AIX Unix with 4 application load-balance servers to 11.5.x from 10.7. The work included installation, configuration of apache server, Jserver, Multiple JVM, system administration, patching, three tier system cloning, SSL setup, backup and recovery. Daily operation, Application Tier Admin, Web & From Service, AD tools, Concurrent Manager, Auto Configure
- Performed daily operation for Database 8i & 9i & 10g. The work included create, clone, installation (DB JVM and XDB), management, performance tuning, backup & recovery, java objects loading, OLAP, partition and patching.
- Performed Backup & Recovery for BMC tool SQL backtrack.
- Installed and configured Data Warehouse.
- Set up 9iAS & 10g OAS servers on AIX 4.3, 5L and Solaris 7, 8 and Linux.
- Assisted development of Java Servlet, JSP, PSP and HTP with application on J2EE & OC4J.
- Setup 9iAS Portal & 10g Portal including system planning and upgrading from WebDB 2.2 to Portal 10g. Performed installation, configuration and system administration.
- Set up Oracle Work Flow (2.6.0-2.6.3) on AIX 4.3.3, 5L, WF 2.6.3 with 10g DB & 10g OAS. Performed installation, configuration and system administration.
- Set up Oracle Report Server (Release 2 & 10g) on AIX 5L & Solaris 9 & Linux Red Hat. iAS server. Performed infrastructure & middle tier including installation, configuration and system administration

**DBA, Reuters, USA****(2000-2001)**

- In charge of administration and maintenance of three tier system including Backend (Oracle DB), Oracle application Server, and Oracle Web Server for alpha development system, beta QA system and production system.
- Managed Oracle DBs from 8.0.5 to 8.1.7 as dedicated server or parallel server on UNIX Solaris 2.6, and 2.7 platform. Set up standby databases and database replication. Performed daily operation for the system 24x7.
- Used Designer 6i (Designer 2000 new version) to modify, design and reverse engineering DB Schema that deal with Reuters Financial information and billing process.
- Extensively developed stored functions, procedures and packages for web applications. Created dynamic HTML web pages using http PL SQL stored package, UNIX shell scripting and cron job.

**DBA, Motorola, USA****(1998-2000)**

- Worked on e-Business system (ERP) such as structure, implement, maintenance, documentation and control 10.7 Oracle financial. Took Lead position for developing daily, weekly, monthly, quarterly database management plans including:
  - Backup & recovery schedule

- Crash recovery test plan
- Monitoring and optimization
- Exp & imp schedule DB monitor plan
- Installation upgrade & migration
- Disk capacity planning
- Memory, IO, contention and SQL codes tuning
- Performed ORACLE databases migration from 7.3.4 to 8.0.4 on UNIX Solaris 2.5 and 2.6 platform for Online Transaction System and Decision Support System.
- Worked on e-Business system (ERP) such as structure, implement, maintenance, documentation and control 10.7 Oracle financial.
- Developed the scripts for database monitoring system composed of UNIX shell scripts, SQL and SQL Plus to report status of database hourly, daily, weekly. The monitoring system was composed of more than 100 scripts including 1) DB operational information 2) DB statistics information used tuning.

#### **DBA, CIGNA/Intracorp, USA**

**(1997-1998)**

- Developed the logical and physical data model. The responsibilities included database design, implementation, performance and tuning, backup and recovery, troubleshooting, etc.
- Performed data modeling on NT 4.0 system, table normalization and de-normalization, logical and physical design, generate DDL using ERWin.
- Conducted performance tuning includes SQL, PL/SQL, disk contention, de-normalizing, memory and indexes tuning, disk I/O, validating and computing statistics.
- Performed Database migration from RDB to ORACLE on UNIX and VMS system.
- Took leading role of procedural DBA for project release from database 4.3 to 4.4.

#### **Program Analyst, Dow Jones & Company, Inc, USA**

**(1996-1997)**

- Responsible for performance and tuning for relational database.
- Worked on On-Line information with a back end as relational database in a Client/Server system.
- Developed interface between the front end and relational database accessing through SQL.
- Developed scripts for error handling on a relation database to speed up the error analysis from hours to minutes.
- Developed interface scripts using C and SQL on different operating system.

#### **EDUCATION**

- Post Doctor, Dept. of Materials Science & Engineering, University of Pennsylvania, USA
- Post Doctor, Solid State Center (Current Leroy Eyring Center), Arizona State Univ., USA
- Ph.D. GPA 3.93/4.0 Solid State. Specialty in Electron Microscopy ASU (Arizona State University)
- BS, MS Engineering GPA 3.7/4.0. MS Program Computer Science, 3.83/4.0. ASU

#### **OTHER INFORMATION**

- Citizen of United State of American with work permit from United Kingdom
- Swimming and Volleyball

#### **REFERENCE**

- Will provide upon request