**Seenithai Karthikesan**

**[Oracle Fusion middleware/Database Administrator]**

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**Overview**

* Senior IT (Information Technology) professional with more than 7 years of experience design, development, implementation and supporting ***Oracle/Other*** products. This IT infrastructure solution includes ***Secure, scalable, and High Availability options*** *and* spread across various network tiers (*Web, Application and Database Tier)*.
* Product Types includes **Databases**, GIS Tools(Oracle, ESRI),Content server, Business Intelligent, , Data Warehouse and ETL, Fusion Middleware **(*Web Logic, 11g Portal and IDM, WebCenter Content, WC Portal* )**, Enterprise Administration and Monitoring **(*cloud, grid control*),** Backup and Restore, Disaster Recovery, Data Exchange.
* Supported HW/OS Infrastructure Environments Includes IBM, DELL, HP Servers, Desktop PCs, and SAN Storage, Load Balancer, routers, Firewalls, WAN, LAN, Windows, Virtual server (VMware) and various UNIX flavors. Other Software tools for *Testing, Ticketing, Security, Availability and Performance monitoring.*
* Industry experience includes **Education Healthcare, Manufacturing** and **Finance**.
* Highly motivated, self initiator and ability to work in a team and also excel individually. Capable of building solid work relationships with Technical team, management team, customers, SW/HW vendorsand throughout project engagements.

PROFESSIONAL SUMMARY

* Hands on experience includes setting up **11g Spatial Databases and Oracle GIS**(Map viewer) and migrating spatial application from one environment to another.
* Experienced in **Database** administration, **Application server** admin, database design, **Backup** and **Restore**, **Recovery**, **Data Transfer and migration**, requirement gathering, System analysis and design, application development, Testing and Application deploymentsusing **Web Logic/OAS, IIS** for various applications.[***OBIEE, J2EE, Portals, IDM,.Net, GIS***], Support 24\*7 Development, Test and Production environments.
* Hands on experience include converting and loading **ArcGIS (ESRI) spatial** data into Oracle Spatial databases.
* Expert in Setting up Oracle web logic environment for **Deploying OBIEE** application And **integrating** OBIEE with Oracle spatial application (**Map Viewer**).
* Experienced in Setting up and supporting the **Development**, **Test** and **Production** **Database** environments. That includes starting from requirement collection, preparation, analysis and **System design, Installation, configuration, administration** and ongoing support to multiple HW/SW products. Prepare and Maintain documentations for complete project life cycle.
* Experienced in installation, configuration and administration of **Oracle 11g Portal on windows 2008 r2** environment. Including Oracle 10g SSO/11gOAM installation and configuration. Integrating with  **Oracle Portal/IDM**.
* Experienced in installation, configuration and administration of **Oracle 11g Web Center Content on windows 2008 r2** environment.
* Experience includes **upgrade and migration of Oracle Apex, Oracle 11g OBIEE** (***RPD, Catalog***) from **10g to 11g** multitier environment. Moved from development environment to UAT environment.
* **Hands on experience patching fusion middleware and 11g OBIEE environment**
* Experience includes exploring and architecture recommendation, implementation of various GIS solutions (***Mapviewver, Map Builder, Spatial DB, ArcGIS from ESRI*).**
* Experience includes **installation, configuration and administration** of **Oracle 11g Spatial Database, Oracle 11g map viewer, Oracle Apex, Oracle Map Builder.**
* Experience includes exploring and architecture recommendation, Installation and configuration of **JDK and Web logic server, OBIEE.**
* Hands on experience Includes **Creating and modifying** **VM server nodes and VM Templates.**VM Nodes and Template creation includes selecting various HW/SW parameters.[***VM provisioning***, ***OS, Memory, Storage, number of LUNs, Network Segments, IP details, Default gateway and other network details etc***].
* Experience in developing **Proof of Concept OBIEE dashboard** application using Oracle **Map viewer/ Map builder and Spatial Database**. Deployed sample OBIEE dashboard application in 11g OBIEE environment and integration between OBIEE and Oracle 11g Map viewer, spatial DB.
* Experienced working with different types database including OLTP, WAREHOUSE, Secured databases. Worked with **multi terabytes databases** for physical and Logical database design and **tuning memory and OS** parameters.
* Hands on experience include installation and configuration of **Oracle 11g grid control** in Windows 2003/2008 environment. Expert using Oracle Grid Control (10g/11g) for **administration, configuring alert notification, Performance Tuning and monitoring,** scheduling various **jobs, patching and cloning** of oracle binaries and databases.
* Experience includes exploring and architecture recommendations, Installation, configuration of Oracle **IDM’s** **Access Management** Tools [***OIM****,* ***OAM****,* ***OAAM*] in VM/Physical Server environments**.
* Experience includes exploring and architecture recommendation, Installation, configuration of various Oracle **IDM’s Identity Management** Tools [***OID, OVD]* in VM/Physical Server Environments**.
* Multiple years experienced collaboratively working with **Oracle Support Services [SR, TAR].** Including using various severity levels and SR escalation procedure for Major **production** issues, **patching** and **upgrade** issues, architecture recommendations, **Certification Matrix** issues etc.
* Implemented and **Supported Oracle 10g Application Server** farm including load balanced Oracle 10g Application Servers, **Oracle SSO, and Oracle Internet Directory (OID)**.Familiar using Oracle App Server Control, OID admin console and command line tools OPMN, DCMCTL. Installed and upgraded 10g metadata repository in 10g RAC database. Deployed, configured and maintained J2EE applications.
* Experienced in planning, requirement collection and designing data collection, transfer and exchange processes. Developing and implementing tracking Procedure. Used **FTP, SFTP, Export/Import, SQL Loader, Data Pump, DTS package**, **SSIS tools for this.**
* Experienced in writing SQLs, Stored procedure, database trigger, and PL/SQL Packages. Writing and testing **Windows batch file, UNIX Scripts** for backup, Restore, administration and for **alert notification**.
* Hands on experience include **developing database tables, indexes, views and sequences and other database objects.**
* Hands on experience in setting up and performing **Oracle snapshots and replication** features.
* Multiple Years of Hands on experience developing and implementing **application user’s security.** Also **enrolling applications** **users** for authentication and authorization.
* Experienced in **Backup, Restore and Recovery using Recovery Manager** (RMAN) and monitoring backup results using **Commvault Tools**.
* Administration and implementation of database security including Database **users, roles, privileges, profiles** andperformance tuning using **Automatic Advisory Frameworks, AWR, ADDM and ADR etc.**
* Experience includes installation and configuration of **Oracle Application Express** (formerly HTMLDB) in development and production environment. As an oracle APEX Admin implemented LDAP/SSO security for oracle Apex application.
* Hands on experience include **Maintaining, managing and monitoring various Logs generated by various software /Hardware Tools.**
* Hands on Documentation Experience including **Meeting Minutes** and upgrades, installation steps for OBIEE, APEX, Grid Control, IDM DB security etc.
* Experienced in preparation of Standard Operating Procedures (**SOP**) for day-to-day infrastructure and Data Center Team support activities.

**EDUCATION:**

**Masters in** **Computer Science**.

[MANONMANIAM SUNDARANAR University, Tirunelveli, India, 1995-1998].

**Bachelor of Computer Science.**

[MANONMANIAM SUNDARANAR University, Tirunelveli, India, 1992-1995].

**Oracle 11g Certified DBA,** Oracle University certification program 2010.

PROFESSIONAL EXPERIENCE

**Client: Maryland State Department of Education.[March 2011 Till date**]

The Maryland State Department of Education is a State government agency that develops and administers K-12, P20 Education programs, Library Services, and Rehabilitation Services and is nationally recognized as being on the forefront of standards-based reform of public education. The MSDE administers numerous programs that support public education. Supporting RTTT Projects (MLDS, P20, K12 etc.) in MSDE and MSDE-DPSCS data Centers.

**Roles and Responsibility:** As a **Senior database Management specialist** and member of MSDE-DAA Operation team supporting MSDE, MSDE-DPSCS data centers and performing following roles and responsibility.That is **Sr. Oracle DBA, Oracle GIS Admin (Mapviewver, Spatial DB), Middleware Admin (WebLogic, Portals, IDM, OAS)/11gGridControl and OBIEE Admin/Application, Database security Admin.**

* Completed setting up **11g Spatial Databases and Oracle GIS**(Map viewer) for **P20** development, Test and Production environments.
* Completed setting up **11g Spatial Databases and Oracle GIS**(Map viewer) for **MHEC** development, Test and Production environments.
* Migrated spatial database from Development to test environment. Test environment to production environment for multiple projects.
* Obtained **spatial data from Towson University** and Completed converting and loading **ArcGIS (ESRI) spatial** data into Oracle Spatial databases.
* Developed multiple **background maps and layers** for Montgomery county school locations and early childhood **provider’s locations using Oracle MAP builder**.
* Completed map viewer configuration and integration between OBIEE, MAP Viewer for all P20 & MHEC environments.
* Completed integration of MAPS with OBIEE dashboard application using OBIEE admin console for all P20,MHEC and K12 environments.
* Completed configuration requirement of Map viewer for rendering of Data (**MD State Street maps**) delivered using the Open GIS Consortium (OGC) Web Map Service (WMS) and added WMS map themes.
* Completed Setting up Oracle web logic environment for **Deploying OBIEE** application And **integrating** OBIEE with Oracle spatial application (**Map Viewer**).
* Hands on experience includes setting up Map viewer for rendering of data delivered using the Open GIS Consortium (OGC) Web Map Service (WMS) and adding WMS map themes.
* Successfully installed and configured **11g OBIEE on VMWARE** sandbox and Test, Staging environments using Windows 2008 64 bit OS. This install involves **multimode architecture** including Repository DB, **BI server, PS server, OHS server, Web logic.**
* Successfully installed and configured **11g Portal (11.1.1.6) on windows 2008 R2 environment.** This environment architecture spread across 3 tiers and Oracle 11g Portal uses Oracle **10g SSO/11gOAM** and **11g OID**. This Portal environment uses front end Oracle OHS web server.
* Successfully installed, configured and administering **11g Web Center Content on windows 2008 R2 environment.** Hands on experience required VM for all the fusion middleware products.
* Successfully installed, configured and migrated Oracle **Apex 4.x from Development** into Sandbox and Test environments. This includes Database tier and front end web tier.
* Successfully **Upgraded 10g OBIEE (RPD, Catalog) to 11g OBIEE** from development environment into MSDE sandbox VM environment, MSDE-DPSCS Data Center Test VM environment.
* Completed creating sample **VM templates and multiple VMs** using the templates for K12LDS system Test environment at DPSCS Datacenter.
* Installation and configuration of various client software tools including **SQL developer, oracle client, ODBC connection, OBIEE tools, Webinar and Go to Meetings, Oracle Warehouse Builder, Informatica Client, Power architect and Oracle ODI** for development and Project managers team PCs.
* Participated multiple Meetings with internal operation team, network team (DPSCS), software and Hardware vendors. These meetings are related to **exploring various oracle products architecture, setting up test environment VMs** at DPSCS data center. Including install, configuration, administration and integration procedure, and database, Application security for all 11g products.
* Completed documenting various **technical meeting minutes** attended with Oracle Tech team, DPSCS network Team.
* Completed various oracle products Installation and configuration in sandbox VM environment for **exploring architecture, preparing install steps, finding install and configuration issues**.
* Completed independently following 11g Products (11g DB, RCU, OBIEE, APEX, Grid Control, Web logic, JDK) and worked with Team for other 11g products. (Oracle Portal, ORACLE IDM) in **2008 64 bit VM environment**.
* Installed and Configured **Oracle11g Spatial Database** and Imported Data using IMPORT/EXPORT Utility. Successfully completed Integration between OBIEE and Oracle GIS tools (mapviewver, spatial db) and integrated stand alone Map viewer and OBIEE. Configured using Map viewer Admin tool to **retrieve spatial data using JDBC** connectivity.
* Developed data model using ERWIN as per application development team requirement and modified and generated Database object scripts from ERWIN data Model. Database objects include tables, indexes and views, integrity constraints etc.
* Installed and configured multiple instances **Sun JDK, Oracle Web logic Server** in windows 2008 64 bit environment. This is pre-request task for various oracle products.
* Installed and configured Oracle11g software and **Created repository DB**(***RCU***).
* Completed successfully **Installation and configuration of 11g Grid control in physical server** environments.
* Installed Oracle **Grid control agent** in multiple target servers and configured notification system for various windows environment targets and scheduled various jobs. Effectively used 11g GC for various administration and monitoring, cloning purpose.
* Completed creating user for multiple applications and assigning appropriate privileges.
* Maintain and **manage various application logs for troubleshooting** and **fixing** various issues.
* Installed, configured and tested various security features in **11g database including ASO, database vault, Label security in Sandbox CM environment**.
* Day to Day **DBA support for development, Test and Temporary production** environment.
* Basic System admin tasks for Test VM Environment including **OS user creation and assigning privileges** by adding into appropriate OS group etc.

**SW/HW Environment:** Oracle 10g/11g Database, Oracle 10g/11g OBIEE, Oracle 11g IDM, Oracle 11g Spatial/Mapviewver, Oracle Warehouse Builder,Oracle11g Grid Control, EM Cloud Control 12c,Oracle10g Application Server R2, Oracle 11g portal, Oracle 11g WebCenter Portal, Oracle 10g Portal ,Oracle Application Express, Oracle Fusion Middleware11g, 11g Map builder, CA Erwin, Oracle Data Pump, PL/SQL, JDBC, SQL Developer, SQL Loader, Windows server 2008/2003,Windows 7,Windows XP,VM WARE, FTP,SFT,HP and DELL, IBM servers, LAN, WAN, Firewall, Load Balancer, Routers, MS OFFICE Tools.

**Client: Walter Reed Army Medical Center.**  [July 2006 – March 2011]

The Walter Reed Army Medical Center provides advanced and sub-specialty health care and services to soldiers, their families, and a large community of military retirees. The WRAMC-DOIM (Directorate of Information Management) department is responsible for the management of North Atlantic Regional Medical Command (NARMC) Web Sites and Web applications. DOIM developed, deployed and supporting multiple websites and web application throughout NARMC.

**Role and Responsibility: Sr. *Oracle DBA/OAS Server Admin/Application Developer.***

* AS a Senior DBA involved **database administration, application server administration**, data migration, upgrading Database and Application server and applying **oracle patches using OUI, Opatch utility**.
* Installed and configured Oracle **11g/10g databases for multiple applications** and supported development**, Test and production** environment.
* Involved Creating and maintaining various databases object tables, sequences, index, views, data files, table spaces other Database Objects.
* Installation of Oracle Client tools and Trouble Shooting Database connection Issues between developer desktops to Development and Production oracle database servers.
* Installed and configured **Oracle 10g Grid control and management agent** on various database and application server environments.
* Installed and **configured oracle CRS software and Oracle RAC database** Software and successfully created multiple **10g/11g RAC** databases.
* Completed testing of installation and **upgrading 10g to 11g RAC** databases. Created multiple Databases in ASM using windows 2003 32 bit environment.
* Used server control (***srvctl***) utility for Various RAC environment tasks such as Database, Instance, Node Apps shutdown and startup.
* Completed performance tuning in various levels. **Including OS and database memory SGA, Log Buffers, Redo-log buffers other database** parameters.
* Supported data transfer and migration activity from one environment to another and one department to other via LAN. Used various oracle tools like **FTP, SFTP, DTS, SSIS packages and oracle export and Import, SQL loader** tools.
* Used Grid control to administer and monitor development, test, and production environments. Creating and maintaining oracle physical, logical Stand by databases, Cloning database and Oracle home using Grid control.
* Setting up **Oracle Application Express** [HTMLDB] environment for developers. Developed sample pages. Worked with developers for multiple applications to integrate Oracle APEX and LDAP/SSO server.
* Design and developed **application security module** including PLSQL coding, Packages, procedure, triggers. Completed Implementing application user creation and **assigning appropriate application roles and privileges**.
* Created multiple data model using Erwin for java based application modules. **Used ER diagram to generate object creation scripts**. Experienced doing reverse engineering from SQL Server and Oracle database.
* Setting up and supporting oracle Application server environment including Oracle As server, **Oracle SSO, OID, Oracle portal** for both development and production environment.
* Developed multiple SQL scripts to support developers and day to day DBA TASKs.
* Extracting and Loading Data between databases, from flat files to databases using Oracle **Data Pump EXPDP/IMPDP, SQL Loader.**
* Performed database **Recovery during HW failure, User Error, Instance and Media Failures Using RMAN**. Created oracle External Tables using Access Drivers such as ORACLE\_DATA PUMP/ORACLE\_LOADER.
* Performed **Full/Incremental backup, Restore using RMAN and also frequently took cold backup** before applying patches and upgrades.
* Completed **setting up Oracle snapshots and replication** across different databases.
* Completed **ongoing Logical backup using exp/imp, data pump utility**. Analyze and Resolve Database performance Issues, reliability and data quality Issues.

**Environment:** Oracle 10g/11g,Oracle10g Application Server R2, Oracle 10g Portal ,Oracle Application Express, Oracle discoverer, Oracle Grid Control(Enterprise Manager),Windows 2003, FTP,SFTP,SSIS,DTS,PL\*SQL, JDeveloper, Data Guard, Erwin, Oracle Data Pump, PL/SQL Developer, Oracle ODP, JDBC, SQL Developer, Visual Source Safe, SQL Server Management Studio, Oracle Recovery Manager (RMAN), Oracle/ Microsoft Business Intelligence tools, MS OFFICE Tools.

***Asea Brown Boveri LTD, India.* Senior Application developer/DBA** [May 98-June 2002]

Asea Brown Boveri was the result of a merger between ABB of Sweden and BBC Brown Boveri Ltd. of Baden, Switzerland in 1988. The merged entity became the world’s leading supplier in the $50 billion electric power industry. At that time ABB controlled as much as a third of Europe’s business and more than 20 percent of the world market. It successfully integrated 850 subsidiary companies and 180,000 employees operating in 140 countries

**Role and Responsibility: Senior Application developer /DBA**. As a Member of ABB IT Department involved following Development/DBA activities.

* Worked directly with end users to collect requirement and prepare requirement documents and system analysis, system design , development ,Testing deployment.
* Completed for multiple application software modules system analysis, system design, development, testing and implementation.
* As s Member of application development and support team worked with end user to gather multiple application changes.
* Successfully modified application changes and re-deployed new changes into Test and Production environment.
* Involved extensive Back End, Front End coding including writing packages, PLSQL, stored procedure, SQL, Oracle Forms, and Triggers for various modules.
* Worked as a Lead (3 member’s team) and involved complete SDLC tasks during new financial, inventory, payroll modules Development.
* As a DBA team member involved installation, configuration of various Oracle products and application development Tools.
* Experience in Day to day Database support, Application Database Design and performance tuning, Data loading, Transferring activity using exp/imp and Oracle loader utility.
* Involved Creating Database, Tablespaces, application tables, Views, Indexes, triggers, Roles, maintaining system security, Controlling and monitoring user access to the database.
* As a member of DBA team completed database performance tuning and Troubleshoot various access issues and connectivity issues for development, test and production environments.
* Maintain application and software tools logs for trouble shooting and fixing issues.

**Environment:** Oracle 7.x/8.x/9.x, Oracle Forms, Windows, Developer 2000, UNIX,SUN Server, Oracle Packages, Stored procedure, DB Triggers, PL\*SQL, Report Writers, imp/exp Utilities, SQL\* LOADER, Lotus Notes.