

**RAJKUMAR VUKKALKAR**

# Experience Summary

# A highly-accomplished, deeply-driven, Information Security Architect with a successful 17 year track record in Information Security and Application Development. Proven ability to tackle and succeed in all endeavors from business development to customized software development and implementation. Have repeatedly lead teams in successfully deploying complex technical solutions. Actively involved with Identity and Access Management since the industry’s inception. Successfully implemented six complex SSO Projects.

**Core Competencies**

* Understanding of Federal Guidelines (HSPD-12, PIVi, 800-63, OMB11-11, FICAM, NSTIC, NIST)
* Core experience, working as Oracle Technical expert designing and implementing Oracle E-Business Suite R12/11i, Oracle Identity Manager, Fusion Middleware 11g including WebLogic, WebCenter, SOA Suite, ECM/UCM, Oracle Identity Management (OID, OVD, SSO, OAM, OIM, OIF)
* Sarbanes-Oxley Act (SOX), the Health Insurance Portability and Affordability Act (HIPAA), Homeland Security Presidential Directive-12 (HSPD-12) and the Gramm-Leach-Bliley Act (GLB)

# Work Experience

**Client:** **USPTO with ORACLE Advanced Customer Support Services December 2014 - Present**

**Security Consultant, Identity Management Architect, SME**

* Environment: Oracle Access Manager, Oracle Identity Manager, Oracle Adaptive Access Manager, Oracle 11g, Oracle 10gAS, Fusion Middleware, Oracle Identity Federation, WebLogic, PeopleSoft, Sun Solaris 10, Oracle Enterprise Manager 12
* Architected USPTO's Next Generation (NG) Complex Identity and Access Management (IAM) solution in support of the Single Sign-On (SSO)/Role-Based Access Control(RBAC) project. Used Oracle Identity and Access Management Products (OAM, OIM, OUD, OVD, OID, OIF, etc).
* SSO solution have the capability to interoperate with multi-level systems running on different platforms and versions using standard protocols, frameworks, and communication tools (e.g., HTTP/HTTPS, SSL, Kerberos, TLS, LDAP, LDAPS).
* The system interfaced with the USPTO directory data repository such as AD and AD-LDS
* Responsible for implementing Oracle Identity Access Manager comprehensive solution
* Oracle Identity access Management, web tier and webgate setup and configurations.
* Oracle Unified Directory setup and configurations.
* Maintain full Identity Management systems
* Enabling Single Sign on SSO on all browsers across all target applications.
* First time reconciliation from HRMS to OIM with the ability to apply linking reconciliation events for Ad-hoc\Manual and Orphans accounts linking.

**Client:** **State of Utah, Salt Lake City, UT April 2014 – December 2014**

**Security Consultant**

* Environment: Oracle Access Manager, Oracle Identity Manager, Oracle Adaptive Access Manager, Oracle 11g, Oracle 10gAS, Fusion Middleware, Oracle Identity Federation, WebLogic, Sun Solaris 10, Oracle Enterprise Manager 12c
* Assisted Information Security Risk and Governance as needed in identifying solution security risks and providing architectural approaches for resolution
* Designed, architected and built from scratch an Identity and Access Management solution including configurable workflows, automated provisioning of entitlements, reporting, robust security and integration with utah.gov's business critical systems and resources
* For State of Utah responsible for the delivery of the Access Management (OAM/OAAM), Identity Management and Attestation components (OIM/OIA) and directory components (OUD/OVD) of and Oracle I&AM Solution.
* Implemented latest Oracle IDM 11gR2 suite (OAM, OIM), with Webgate 11gR2, BI Publisher, OUD 11gR2.
* Integrated OAM 11gR2 with J2EE application, ADF application and Webcenter.
* Implementation/Installation of OAM, OAAM, OIM, SOA, OUD and BI Publisher in HA along with 2 Node RAC (11gR2)
* Installation and configuration of Web Gate, Configuration of Oracle Access Manager to communicate with Web Gate

**Client:** **MasterCard International, St Louis, MO August 2012 – May 2014**

**System Security Analyst**

* Environment: Oracle Access Manager, Oracle e-Business suit 11i and Rel 12, Oracle 11g, Oracle 10gAS, Fusion Middleware, Oracle Identity Federation, WebLogic, Sun Solaris 10, Linux, SiteMinder, PingFedrate, Oracle Enterprise Manager 12c
* Architected and Implemented Enterprise Single Sign-On solution. The solution is a combination of Oracle Access Manager, Siteminder, Enterprise Directory, Ping Federate, Oracle Internet Directory, Oracle Single Single Sign ON and the Oracle Identity Federation server.
* Secure Socket Layer (SSL) Configuration for enabling security on SSO, WebCache and HTTPS.
* Proactively identify issues and make sure services are meeting SLA’s.
* Provide technical expertise in application and industry standards.
* Identify tools and techniques within the Oracle Application in designing the solutions.
* Addressed operational problems, concerns, and questions posed by users
* Ensured project objectives are met and benefits are delivered
* Creating high-level technical design documents, generating test scripts, performing quality assurance tests (prior to user testing), and producing training materials.
* Oracle Fusion Middleware BPEL SOA Java
* Expertise in Business Process Integration, Service Orchestration, and Routing using Oracle SOA Suite Fusion Products (BPEL, ESB, Web Services,).
* Successfully completed numerous SOA Projects using SOA Framework with Oracle Fusion Middleware Components like BPEL / ESB / OWSM and Web services Manager.

**ADERAS, Inc. August 2005 - March 2008**

**Client: Pension Benefit Guaranty Corporation, COMPUTER SCIENCES CP, Washington DC**

**Sr. Security Consultant**

* Environment: Oracle e-business suit 11i, CRM Rel 12, Oracle 10g, Oracle 10gAS, Fusion Middleware, BPEL, Sun Solaris 8, 10, HITACHI SAN 9980, HITACHI USP-VM, Veritas Netbackup, Veritas Volume Manager
* Designed and led implementing conversion of Oracle E-Business Suite from external application to partner application for Single Sign-on and Oracle Internet Directory. Designed integration of SSO/OID with Active Directory and enable Kerberos authentication for applications Integrated Oracle Applications 11i with OID/SSO.
* Was a key architect for Oracle Internet Directory and Single Sign-On that provide enterprise-wise services for PBGC’s “Unified Desktop”. Performed technical design, multiple team co-ordination and co-operation, and implementation in multiple OS platforms and various environments using up-to-date technologies. These technologies include Kerberos authentication (Windows Native Authentication), Security Socket Layer, Directory Integration and Synchronization, clustering, Java Authentication and Authorization Service and Single Sign-On etc. The implementation of OID and SSO not only provide an enterprise-wise Single Sign-On serves for the current PBGC Unified Desktop project (J2EE applications, Portal, and E-Business Suite), but also lay the foundation for future integration of the entire PBGC multi-platforms applications with a centralized identity management. Coordinating with Developers, DBA's and Testers in various phases of SDLC at PBGC.
* Played a key role on the Project Management team to collect and disseminate day-to-day status and Project Plan Management, to organize and deliver executive management reports to stakeholders.
* Managed staffs of multiple teams to coordinate work effort and deliver milestones throughout the lifecycle of the project.
* Conducted sessions to collaborate Cutover Plans and implementation of key custom functionality.
* Delivered Projects on time, within Budgets Constraints. Project included Fixed Bid Projects, Time and Material and Staff Augmentation.
* Worked seamlessly with third-party consulting teams to provide delivery of all projects.
* Managed all efforts during project in a multi location environment, including remote resources and onsite client meeting and delivery.
* Plan and implement timely upgrade/patches to the Oracle Applications system and RDBMS.
* Actively managed the project plan, issues and risks. Communicated with management.
* Performs impact analysis of any changes made to the system.
* Troubleshoots problems regarding the databases, applications and development tools.
* Analyzes and studies complex application/database requirements to proactively design, plan, and deploy needed capabilities.

**Ekagara Software, RN Solutions February 2007 – May 2009**

**Client: National Institutes of Health, Rockville, MD**

**Consultant**

* Environment: 10g Release 2, EBS, 9i Rel2, RAC, Oracle Data Guard, BPEL,OID,SSO, Oracle Content Management Server, Solaris, Linux.
* Responsible for all development and implementation of OIM, OAM, OVD, OID.
* Integrated all systems with Active Directory, SunONE LDAP, IIS and Apache web servers Specifications for reports/alerts/customizations (including working with users on requirements)
* Worked in conjunction with Business Users, Project Management Office to resolve all issues prior to Go Live as well as after.
* Provide daily production support for EBS after Go-Live
* Patch analysis, planning and application to all environments per client request.
* Provide weekly clones of production for development and test instances. Created post clone procedures that include modifying sensitive production data.
* Provided a health check of production EBS to address many instability and performance issues and documented findings and implement recommendations.
* Provided strategic direction for instance creations and recommendations for data center disaster recovery. This included strategic plans for system growth and future capacity requirements
* Oracle E-Business Suite System Administration
* Expertise in Business Process Integration, Service Orchestration, and Routing using Oracle SOA Suite Fusion Products (BPEL, ESB, Web Services,).
* Successfully completed numerous SOA Projects using SOA Framework with Oracle Fusion Middleware Components like BPEL / ESB / OWSM and Web services Manager.
* Patching security vulnerabilities as and when released by Oracle Support.
* Maintain up-to-date documentation for TEST/DEV/PROD Oracle database configurations, installations and management processes
* DBA Resource for technical design and code review processes. Work with developers and change management team to ensure smooth life cycle progress from development through testing and production implementation.
* Installation and configuration of 9iAS and 10gAS Portal and Single Signon, Apache and J2EE Containers (OC4J).
* Oracle Technical Architect involved in Oracle Portal, OID Synchronization.
* Integrated Production and Coop OID Servers. Troubleshooting OID Synchronization issues.

**SOFTEC September 2005 – November 2006**

**Client: United States House of Representatives, Washington DC**

**Consultant**

* Environment: 9i, Oracle E-Business Suit 11i, Oracle Data Guard, Oracle Applications 11.0.x, 9iAS, Solaris, HP UNIX, Oracle OCI, Perl, EMC SAN
* Architected and Successfully Upgraded Oracle Applications from unsupported version (11.0.3/8.0.4/Solaris 2.6 to 11.5.10/8.0.6.3/9.2.0.4/Solaris 9.) to Supported version in a complex environment.
* Rescue mode Project Management for projects in trouble
* Responsible for security hardening of the application infrastructure, creation of security Certification and Accreditation (C&A) documentation and liaison with agency security teams for all matters related to the security of the enterprise applications and related infrastructure.
* Collaborator by working with cross-functional teams and knowledge sharer by learning, sharing and mentoring.
* Ensuring the appropriate metrics, resource planning and program management methodologies are applied to drive success of the Project.
* Overseeing all project execution activities such as budgeting, planning, costing, delivery, and post delivery review.
* Tracking team member performance against schedule and targets, providing feedback, resolving issues, and coordinating changes to enhance project performance.

**IBM Global Services/Spectrum September 2003 – September 2005**

**Client: U.S. Department of Health & Human Services, Center for Medicare & Medicaid Services (CMS).**

**Oracle Apps D.B.A. Team Lead**

* Environment: 9i, RAC, Data Guard, Oracle e-business suit 11.5.10, 9iAS, AIX, VERITAS, Rational Clear Quest/Clear Case, BMC, Precise Insight.
* HIGLLAS Project- largest Federal Oracle implementation to date.
* Currently the primary/lead Oracle 11i Applications DBA for HIGLAS. 11.5.9 System in a multi-node AIX Unix.
* Capacity Analysis of database tier and middle tier servers.
* Performed: High availability, cloning, patching, 24/7, clusters, standby database, monitor, tune, size, backup, recover, analyze, defrag, migrate and security.
* Maintained high availability of databases for 24/7 global operation using Oracle RAC and Data Guard/Standby databases. Create and manage Standby databases at remote data center as Disaster Recovery and fail-over method. Emergency resolution during crisis situations.
* Patching security vulnerabilities as and when released by Oracle Support.
* Configuring and trouble shooting Concurrent Managers.
* Designed and developed the messaging middleware used to process near real time event messages from various vendor turnkey systems via an API.
* Character set conversion US7ASCII to WE8ISO8859P1.
* Installation of 10g Infrastructure along with 10g Application Server and integrating it with Oracle 11i
* Scheduling concurrent processes to perform routine housekeeping activities and also for improving Application performance (Gather Statistics etc.,)
* Performed rotated 24x7 on-call support of Oracle E-Business applications and non-eBusiness databases. Recognized multiple times by the company for significant contributions to the organization.

**McGraw-Hill Education February 2003 – September 2003**

**Oracle Apps D.B.A. Team Lead**

* Environment: Oracle 8i, 9i, Oracle Data warehouse, Oracle E-Business Suit 11.i, 9iAS, Sun Solaris, E15K, EMC storage, ETL, Windows 2000, PVCS.
* Worked as a core Oracle 11i applications DBA at Mc Graw-Hill Education, a large migration project for a worldwide integration.
* Performed all duties related to installation, upgrade, configuration of database and development tools, database design, modeling, client/server connectivity, space management, capacity planning, patching, cloning, extensive performance tuning, backups.
* Designing building and running import/export scripts, loading data with sqlldr scripts, run/debug migration code, modification and support of migration PL/SQL scripts, etc.
* Troubleshooting Portal and Oracle Applications integration issues relating to Oracle Jserv, Oracle PDK.
* Administration of Oracle 9i AS, Portal, Workflow.
* Query optimization, performance tuning using STATSPACK.
* Managing instances. Monitoring the database performance and tuning SGA, initialization parameters.
* Tuning SQL & PL/SQL scripts, and writing triggers, cursors, procedures, functions and packages.
* Work with developers and change management team to ensure smooth life cycle progress from development through testing and production implementation.
* Integrated Order Management with Web-Methods.
* Mentoring junior Application DBAs. Transferring knowledge to the clients
* Oracle TAR submission and resolution.
* Assisted ETL development process into EDW from 11i source environment.
* Upgraded the Java Development Kit (JDK) from 1.2 to 1.3.

**Irandall, Inc. May 2001 – January 2003**

**Oracle Apps D.B.A.**

* Supported 24x7 18 ERP Customers World Wide.
* Applications implementation and upgrade projects (10.7, 11.x to 11i).
* Cloning instances.
* Installation, Upgrade, Configuration, Backup and Recovery, Database tuning, Query optimization.
* Performance tuning/Reorganization for Oracle instances.
* Tuned Custom SQL using Hints, Explain Plan, TKPROF.
* Fine tune servers (I/O bottlenecks, SGA, Pinning objects, Sort space, literal sql, Redo logs).
* Oracle Applications Server (OAS 3.x/9iAS) / WebDB administration.
* Oracle Workflow administration, support and purging.
* Automation of applications with Shell scripts, BMC, Patrol and Cron jobs.
* Configuring and trouble shooting Apache server.
* Root cause analysis of difficult problems, their solutions and troubleshooting expertise for all tiers (client, middle-tier, database)
* Trouble shooting with Self Service Applications, i-Procurement, i-Supplier and i-support.
* Vertex (Quantum) and AVP Tax (Tax ware) Software integration in Payroll and Receivables.

**Harmonic Inc. (and its predecessors DiviCom, C-CUBE) September 1999 – May 2001**

**Oracle Apps D.B.A.**

* Oracle 8i, Oracle application versions 11.0.3, 11.i, Sun Solaris OS, Sun 5.X, E 250, 350, 450, 0racle 8.0.5, Oracle Applications (11.0.3), Web Application Sever3.0, 3.02
* Technical architecture definition, Support the implementation team.
* Instance Management.
* Responsible for database configuration.
* Performing patch application and doing database instance refresh.
* Database tuning.
* Backup and recovery. Both hot and cold backups. Point in time recovery operations.
* Security Administration.
* Analyzed and tuned I/O bottlenecks by spreading over disks (use of RAID), stripping, spreading indexes, separating redo logs and data files.
* Printer’s setup.
* Installation, refresh and administration of the Oracle databases for the oracle applications version 11.0.3
* Recommending hardware requirements and capacity planning.
* Planning and execution of database backup and recovery. Developed hot and cold backup scripts for different production databases.
* Implementation of Oracle Business Intelligence System and maintenance.
* Applying Oracle application patches, maintaining log and recompiling objects.
* Monitoring the database performance and tuning SGA, initialization parameters.

**Genex Services, Inc. September 1998 – September 2009**

**Oracle Apps D.B.A.**

* Environnent: HP-UX 10.20, HP K57, 0racle 8.0.3, Oracle Applications (Financial 0.7). NCA. Project Description: The project involves conversion from the legacy database on VAX/VMS to Oracle Database.
* Responsibilities include creation of Database, its storage structures and objects.
* Implementation of Oracle apps custom triggers, alerts, reports, forms.
* Planning and execution of database backup and recovery.
* Converted and interfaced from different legacy systems.
* Designed and developed an interface program to import transactions from external system.
* Performing system administration, Noetix Views administration.

# Skills

* **Advance Training Program in UNIX and C**. April – June 95.

Computer Maintenance Corporation (INDIA), Hyderabad, India.

* **Oracle7 DBA Training.** Dec 94.

Oracle Corp., Educational Division, Madras, India.

* **Oracle 8, 8i, 9i ,10g and 11g Database Administration.**

# Education

**Bachelor of Technology.** May 1992

Kakatiya Institute of Technology & Science, Warangal, India.