



## NAREN JANGID

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### TECHNICAL SUMMARY

<b>Certifications</b>	: Certified Information Systems Security Professional – <b>CISSP</b> Certified <b>Cloud Security Knowledge</b> Holder Certified <b>Ping</b> Services Holder Certified <b>Oracle Identity Administration and Analytics 11g Essentials Certified Implementation</b> Specialist Certified <b>Oracle Identity Administration and Analytics Sales</b> Specialist Certified <b>Oracle Identity Administration and Analytics PreSales</b> Specialist Certified <b>Oracle Identity Administration and Analytics Support</b> Specialist Certified <b>CA Role &amp; Compliance Manager (RCM)</b> Assessment and Course Certified in <b>Federation Security</b> <b>CA eTrust Admin</b> v8.0 Certified Engineer <b>CA eTrust Access Control</b> v5.2 & v5.3 Certified Engineer Asset Portfolio Management (icanSP) Training from CA Technologies CA Technologies Certified Unicenter Engineer (CUE), CA Technologies Certified Unicenter Administrator (CUA), BS 7799-2: 1999, Certified Lead Auditor, Microsoft Certified Systems Engineer (MCSE), Microsoft Certified Professional + Internet (MCP +I)
<b>Security Management</b>	: Oracle Identity Manager, Oracle Identity Analytics, Oracle Entitlement Server, Oracle Access Manager, Oracle Internet Directory, Oracle Virtual Directory, Oracle Identity Federation, SailPoint Identity IQ, CA Identity Manager, CA SiteMinder, CA GovernanceMinder, CA Cloud Minder, CA Control Minder, CyberArk Privileged Identity Management, SailPoint Identity IQ and other products, Microsoft CA, LDAP, Network Associates PGP and Gauntlet Firewall, Snort IDS, Rainbow Ikey hardware tokens and Smart Cards (Schlumberger Cards), etc.
<b>Hardware</b>	: Intel, SunSparc
<b>Database</b>	: Oracle r11g, 10g, 9g, MS SQL 2008, 2005
<b>Web Technologies</b>	: Apache Web Server, Tomcat, Microsoft IIS, Weblogic, Websphere, JBoss
<b>Operating System</b>	: Windows 10, 8, 7, Windows 2008, Windows 2003, Windows XP, Vista, Red Hat Linux 6.2 / 7.1, Solaris 10, 11 (non-administration knowledge)
<b>Mail Server</b>	: Office 365, MS Exchange Server 2010, Lotus Notes, Qmail
<b>Documentation</b>	: Office 2007/2010/2013, Visio 2007/2010/2013 and MS Project
<b>Programming</b>	: Working knowledge of JAVA, .NET, XML

## **Skill Profile**

- Build IAM Strategy, Roadmaps, Use Cases, Gap Analysis, Assessment for customers globally. Help in Technology selection.
- Design and Implementation of solutions based on leading Enterprise Security and Service Management product vendors.
- Customization and Integration of software for delivering enhanced solutions.
- Providing day-to-day administration to deployments and troubleshooting technical problems.

## **Identity and Access Management Experience**

**Project #1**      **Internal and External Identity and Access Management**

**Client's Name**      **Travelport**

**Period**      **January 2016 – Present**

**Title**      **IAM Solution Architect & SME**

**Project Description**      Travelport delivers and manage business solutions for airline, airport, GDS, government and other customers over the world's most extensive network, which forms the communications backbone of the global air transport industry. Travelport has Identity and Access Management needs to provide authentication, authorization, administration, automated workflow, auditing, single sign-on infrastructure for their internal users. This will then be extended to their external customers and users.

**Role & Responsibilities**

- Building reference architecture for IAM at Travelport to define and describe the IAM to utilize the common framework
- Building roadmaps and phases of both internal and external IAM
- Gathering Requirements, Architecting and designing the solution, producing Solution Requirements Specification (SRS) and Solution Design Specifications (SDS) and presenting it to the Travelport team.
- Providing expert comments and advise on the various IAM engagements at Travelport
- Building process flows, use cases and prototypes for IAM using CA product suite such as CA Identity Manager, CA SiteMinder, CA Identity Portal (Sigma), CA GovernanceMinder, CA Advanced Authentication, CA Privileged Access Manager (PAM)
- Working with Enterprise Architecture, Cyber Security and Operations team to define, design and implement the IAM solution based on Best Practices.

**Project #2**      **Oracle Identity and Access Management**

**Client's Name**      **Cox Automotive, Atlanta, GA**

**Period**      **March 2015 – December 2015**

**Title**      **Oracle IAM Architect and Lead**

**Project Description**      Cox Automotive is changing the way car dealers, manufacturers and individuals think about buying and selling cars, because they believe in matching the right cars to the right drivers. Cox Automotive

is a merger of several Auto companies big and small sizes. The two major companies that are now part of Cox Auto is Manheim and Autotrader. Both Manheim and Autotrader company had their own instances of Oracle Identity Manager (OIM) 11g as the Identity Administration tool that is up and running in Production. Cox Auto wanted to merge these two instances of OIM into one with the latest version. Target systems included two Active Directory instances, two Oracle EBS systems, Revenue Management and Billing system, Oracle Unified Directory, Employee Master system. Apart from this, Cox Auto has been using Okta tool for authentication and single sign on of all the SaaS and Cloud based applications. Oracle Access Manager is also used by Manheim company for auction transactions for business critical applications.

## Role & Responsibilities

- Built roadmap and strategy for Cox Auto's 2015 and 2016 Security projects that included OIM consolidations for both Manheim and Autotrader instances, Okta roll-out for more applications, OAM roll-out for more applications including Pega, CDT and Jasper soft.
- Worked with the Okta team to put together integration qualifying questionnaires
- Worked with the Help Desk team to streamline the processes with respect to issues and calls
- Assisted to build the Tier Support model for Security related tickets for identity mismatch or access issues.
- Worked with the Monitoring team at Cox Auto to streamline the monitoring processes for all Security tools.
- Worked with the Pega team to build use cases for integration requirements of Pega with OIM and OAM.
- Understanding business and technical requirements of the consolidation project and understand the existing environment, processes, tasks, performance and system.
- Interviewing stakeholders, data owners, DBAs, project sponsors, system administrators, application owners to gather requirements, information and details of current and consolidation system.
- Designed, implemented and tested solution for consolidating the Oracle Identity Manager (OIM) 11gR1 at Autotrader and Oracle Identity Manager (OIM) 11gR2 PS2 tools at Manheim into one instance of OIM 11gR2 PS2
- Worked with Cox and Oracle team on doing a demo and small POC for OIM 11gR2 PS3.
- Designed best practice solution to integrate and provision into target systems such as two Active Directory instances, Oracle EBS systems, Revenue Management and Billing system, Employee Master System, Oracle Unified Directory (OUD) system.
- Defined PeopleSoft feed process, provisioning process and reconciliation of target systems.
- Designed and Implemented High Availability (HA) / Disaster Recovery (DR) solution for Cox Auto's Oracle Access Manager (OAM) project that included architecture of multi data center instances.
- Designed and Implemented Okta integration with several Cox Auto applications including JIRA, SharePoint, Salesforce, CA Project Portfolio Management (PPM) and many more.
- Prepared Technical and Functional Design Specification documents and presenting the solution to the entire team.
- Prepared Test Plans, Test Conditions, Project Plans, Task List, Roadmap, Effort Estimations.

**Project #3**      **Oracle Identity and Access Management**

**Client's Name**      **Exelon Corporation, Chicago, IL**

**Period**      **March 2014 – February 2015**

**Title**      **Oracle IAM Architect and SME**

**Project**      The company is one of the largest competitive U.S. power generators, with approximately 34,700

**Description** megawatts of owned capacity comprising one of the nation's cleanest and lowest-cost power generation fleets. Exelon already has Oracle IAM 11gR1 solution up and running in Production. They want to upgrade to the latest Oracle IAM 11gR2 PS2 version parallel to their existing Oracle IAM 11gR1 and integrate with business applications, new upgraded AD Domain, new upgraded Exchange, new upgraded PeopleSoft and accommodate additional set of user accounts. Include all the existing customization and define new processes and request catalog mechanism. Additionally design and implement Disaster Recovery and High Availability solution. Include all the existing 30 application certifications and add additional 60 applications for compliance.

- Role & Responsibilities**
- Understanding business and technical requirements of the upgrade project and understand the existing environment, processes, tasks, performance and system.
  - Interviewing stakeholders, data owners, DBAs, project sponsors, system administrators, application owners to gather requirements, information and details of current and upgrade system.
  - Providing Hardware Specifications of the new system that included Oracle Identity Manager (OIM) 11gR2 PS2, Oracle Identity Analytics (OIA) 11g R1, Oracle Business Intelligence (BI) Publisher 11gR1 and Oracle Database 11gR2.
  - Designing best practice solution to integrate and provision into target systems such as Microsoft 2008 Active Directory (AD), Microsoft Exchange 2010, PeopleSoft HR system, IBM RACF Mainframe, UNIX systems, RDS Secure ID, EPS LDAP system based on OIM 11gR2's ICF Framework.
  - Defining PeopleSoft feed process, provisioning process and reconciliation of target systems.
  - Designing Workflow Approval process for multiple stages and escalation type approvals.
  - Designing out of box and custom Request Catalog process.
  - Designing High Availability (HA) and Disaster Recovery (DR) solution for Exelon's upgrade project.
  - Defining the retain process of existing Provisioning and Compliance data for Audit purpose.
  - Defining Single Sign On configuration with CA SiteMinder R12.5
  - Designing Closed Loop Remediation process for immediate revocation between Certification and Provisioning process with target systems.
  - Preparing Technical and Functional Design Specification documents and presenting the solution to the entire team.
  - Preparing Test Plans, Project Plans, Task List, Effort Estimations (LOE), Cost Estimators and more for Exelon.
  - Building Sandbox environment for demonstrating new features and functionalities of OIM 11gR2 PS2, OIA 11gR1, Oracle BI Publisher 11gR1 to the Exelon team.

**Project #3** **Oracle Identity and Access Management**

**Client's Name** **Wells Fargo, Phoenix, AZ, USA**

**Period** **Apr 2013 – Feb 2014**

**Title** **Oracle IAM Specialist**

**Project Description** Wells Fargo & Company is a diversified financial services company providing banking, insurance, investments, mortgage, and consumer and commercial finance through more than 9,000 stores and more than 12,000 ATMs and the Internet (wellsfargo.com) across North America and internationally. Currently Wells Fargo is using few in-house and IBM Tivoli to provide identity management system. Wells Fargo has heterogonous applications from Windows, UNIX, and Mainframe. Due to growing corporate and commercial applications, users and systems, Wells Fargo has chosen Oracle Identity and Access Management system to provide end to end identity and access management solution.

## Role & Responsibilities

- Understanding business and technical requirements and overall high level and functional design of Wells Fargo Identity and Access Management program.
- Understanding current process flows, data security, PCI compliance requirements and accessibility targets.
- Assist building architecture of Oracle Identity Manager (OIM) 11gR2 and Oracle Access Manager (OAM) 11gR2 for reconciliation, provisioning, integration with applications and systems, request catalog, secure web access and single sign-on.
- Building architecture of Oracle Identity Analytics (OIA) 11gR1 based on Wells Fargo's requirements for Role Mining, Role Engineering, Attestation, Compliance, Identity Audit, Identity Warehouse population, SOD and Reporting.
- Working with the stakeholders, interviewing, discussing various options and presenting the overall solution.
- Working with Wells Fargo Business team (EAM) to determine gaps and mitigate solution risks. Becoming single point of contact for product resolution including OIM 11g R2 Sandbox issues.
- Building strategy to integrate Oracle Identity Manager, Oracle Access Manager and Oracle Identity Analytics with the target systems and applications.
- Implementing OIA 11gR1 in Development environment by populating users, roles, policies from different sources by importing jobs and using ETLs. Integrating OIA with OIM for closed loop remediation.
- Implementing OIM 11gR2 and OAM 11gR2 in Development environment for integrating and testing applications and systems for access definitions and rules, provisioning, single sign on, password management, reconciliation, business rules. Applications such as Active Directory, Exchange, RSA Token, Oracle PeopleSoft, CMDB and other home grown applications.
- Working with developers for connector development and other integration and customizations.
- Development of event handlers for use with User Creation/Update/Delete/Enable/Disable
- Develop/Configure event handlers for asynchronous execution of post-processing activities
- Implement custom event handlers
  - Create plugs-in and bind to custom event handler for password validation (pre and post process)
- Preparing usage guide, release notes, deployment guide, test reports, test plans and satisfying use cases.

## Project #4

### Identity and Access Management – For External Customers

## Client's Name

Office of Comptroller of Currency (OCC), Washington, DC, USA

## Period

Mar 2012 – Mar 2013

## Title

Security Architect / Senior Consultant

## Project Description

OCC is part of the US Department of Treasury. All the Banks / Institutions needs to get affiliated with OCC. For these Banks, OCC needs to provide strong L2, L3 level security along with automated workflow based user provisioning & deprovisioning, password management, access management for application resource protection and more. They have thousands of users and groups in Active Directory and external users get access to their application and resources through AD group membership. As first phase, we were requested to build IAM system based on CA SiteMinder, CA Identity Manager and CA Arcot Webfort.

## Role & Responsibilities

- Understanding business and technical requirements of overall OCC IAM engagement.
- Understanding current process flow and technologies specific to the initial and future IAM phase.

- Implementing the solution with CA Identity Manager R12.5 SP14, basic and advanced configurations and customization in development environment. Specifically building Identity Manager environment (IME) with Active Directory as Corporate directory and CA Directory as Provisioning directory, defining and developing screens, roles and tasks, building workflow process, Policy Xpress, email notifications, building BLTH and LAH, integration with CA Arcot and CA SiteMinder, password management, self-service.
- Promoting the development environment to test, pre-prod and production environments.
- Preparing environmental migration plans, deployment guide, test plan and satisfying use cases and test cases.

**Project #5 RBAC Readiness and Data Clean-up initiative**

**Client's Name** Zynga, San Francisco, CA, USA

**Period** Feb 2012 – Mar 2012

**Title** Security Architect

**Project Description** Zynga is one of the leaders in developing games. Recently Zynga went public in the US Stock Market and due to this they have to maintain security regulations and achieve compliance. Currently most of the user provisioning processes is done manually with no role based access control in place. There are many orphan accounts in the critical systems such as AD (9000), LDAP (8000), Oracle ERP (9500) and home grown business applications. Additionally, some accounts are also part of high risk groups that provides unnecessary access to those users. As first phase, we were invited to provide them with reports for data clean-up and define roles based on job functions for better control.

- Role & Responsibilities**
- Understanding business and technical requirements of overall Zynga requirements for RBAC readiness and Data Analysis.
  - Using Sailpoint IQ system, analyze the data and provide reports. Activities with Sailpoint included –
    - Getting raw data from Zynga and parsing the data files based on Sailpoint requirements
    - Importing the data files for Oracle HR as authoritative source of records and creating new identities
    - Importing the data files for AD, LDAP and ERP systems into Sailpoint and correlating these identities with parameters with the Sailpoint identities.
    - Extracting reports, analyzing for orphan accounts.
    - Analyzing group membership of user accounts and providing list of high risk group membership.
    - Building account relationships between AD, LDAP, ERP and Oracle HR data for concise reports.
    - Providing list to Zynga for review, taking feedback and revising Sailpoint rules and filters accordingly.
    - Defining new roles based on existing data and Best Practices for RBAC readiness.
  - Preparing presentation with graphical reports for each of the above analysis.

**Project #6 Oracle Internet Directory – Replication and High Availability**

**Client's Name** Nordstrom, Seattle, WA, USA

**Period** Jan 2012 – Feb 2012



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**Title** **Security Architect & Senior Consultant**

**Project Description** Nordstrom, one of the largest retailers in the US is running CA Identity Manager and CA SiteMinder as IAM system. For user store, policy store and for authentication, they are using Oracle Internet Directory (OID) 11g. Currently OID is setup in the ldap multi-write replication mode and OID is implemented over stand along Oracle database. Whenever bulk load is running on IAM systems to update OID and the transactions increases from external systems, OID runs into issues and performance degrades.

- Role & Responsibilities**
- Understanding current physical and logical architecture of overall Nordstrom production and test IAM setup.
  - Understanding current process flows, scope, security, domain structure specific to the IAM.
  - Gathering flaws in the current architecture perform analysis and presenting to Nordstrom the new revised architecture and process flows for IAM including OID.
  - Assisting Nordstrom to diagnose production issues with CA IAM and OID systems.
  - Building use cases, effort estimation, recommendations document for a robust, reliable, scalable architecture.

**Project #7** **Identity and Access Management – Automated Workflow**

**Client's Name** **Travelport, Atlanta, GA, USA**

**Period** **Aug 2011 – Jan 2012**

**Title** **Security Architect & Senior Consultant**

**Project Description** Travelport delivers and manage business solutions for airline, airport, GDS, government and other customers over the world's most extensive network, which forms the communications backbone of the global air transport industry. Travelport has Identity and Access Management needs to provide authentication, authorization, administration, automated workflow, auditing, single sign-on infrastructure for their internal users. This will then be extended to their external customers and users.

- Role & Responsibilities**
- Understanding business and technical requirements of overall Travelport requirements for Identity and Access Management based on CA's IAM product suite.
  - Understanding current process flows, scope, security, domain structure specific to the Automated Workflow phase.
  - Gathering Requirements, Architecting and designing the solution, producing Solution Requirements Specification (SRS) and Solution Design Specifications (SDS) and presenting it to the Travelport team.
  - Implementing the solution with CA Identity Manager R12.5 SP8, basic and advanced configurations and customization in development environment. Specifically loading initial feeds, defining scope of roles, tasks, workflow process, Policy Xpress, integration with Active Directory, self-service.
  - Preparing environmental migration plans, deployment guide, test plan and satisfying use cases.

**Project #8** **Identity and Access Management – Assess, Design and Implement**

**Client's Name** **SITA, Atlanta, GA, USA**

**Period** Jun 2009 – July 2011

**Title** Security Architect & Senior Consultant

**Project Description** SITA delivers and manage business solutions for airline, airport, GDS, government and other customers over the world's most extensive network, which forms the communications backbone of the global air transport industry. As part of upgrading its business infrastructure, SITA has taken initiatives to build a robust, secure, intelligent and modern solution for their customers. This program called Voyager includes transforming current mainframe applications and systems to latest technologies with secure business flows. Identity and Access Management needs to provide authentication, authorization, administration, auditing, single sign on secure token, secure services, etc to different internal and external applications.

**Role & Responsibilities**

- Understanding business and technical requirements of overall Voyager program that includes Identity and Access Management.
- Understanding current process flows, data security, business and domain models, application security models, application development.
- Building authentication and fine-grained authorization system using Oracle Internet Directory (OID), Oracle Identity Manager (OIM), Oracle Access Manager (OAM), Oracle Entitlement Server (OES) and Oracle Service Bus (OSB).
- Defining strategy to build Oracle Identity Manager (OIM) as the front end provisioning system for Oracle Internet Directory (OID) and custom Oracle schema. These stored data in custom Oracle schema was then used to authorize users using Oracle Entitlement Server (OES). Also managing and controlling access through Oracle Access Manager (OAM).
- Architecting and designing the solution, producing Solution Architecture Document (SAD) and presenting it to the team.
- Building Role Management solution using Oracle Identity Analytics (OIA) to develop role engineering, role definition, attestation, compliance, etc.
- Implementing the solution with different products, basic and advanced configurations and customization in development, test, QA, Disaster/Backup and Production environments.
- Assist developing services based on Weblogic and SOA with developers to provide single sign on secure token and other secure services.
- Preparing usage guide, release notes, deployment guide, test reports, test plans and satisfying use cases.

**Project #9** Security Assessment, Design and Implementation

**Client's Name** Global Payment, Atlanta, GA, USA

**Period** May 2009 – Jun 2009

**Title** Security Architect / Advisor

**Project Description** Global Payments (NYSE: GPN) is one of the world's largest transaction processors and offers worldwide, world-class electronic transaction processing services through our high speed, robust electronic information networks. These networks process billions of business and consumer payment card and money transfer transactions annually for customers in the United States, Canada, Europe and Latin America.

**Role & Responsibilities**

- Understanding business and technical requirements of the Security assessment based on Oracle infrastructure including Oracle Single Sign-On, Oracle Internet Directory, Oracle Portal.



- Understanding current process flows, data security and application security models.
- Creating process flows, defining actors and their interactions for existing Oracle environments.
- Building Gap Analysis for any and all Security flaws in existing Design and Application code.
- Providing Future Recommendations on Oracle Access Manager (OAM), Oracle Identity Manager (OIM) and Oracle Identity Analytics (Oracle Role Manager).

**Project #10      Design for IAM Solution**

**Client's Name      BCBS of Alabama, Birmingham, AL, USA**

**Period              Nov 2008 – Dec 2008**

**Title                Security Architect / Advisor**

**Project Description**      As an independent licensee of the Blue Cross and Blue Shield Association, BCBS of Alabama are a trusted name in the health care industry, since 1936. BCBS of Alabama recently invited different IAM product vendors to respond to RFP for implementing IAM solution in their infrastructure. They short listed 3 IAM product vendors and wanted to invite these vendors to do POC before they make a product selection. Currently BCBS of Alabama does manual user provisioning, password resets and access control.

**Role & Responsibilities**

- Defining Use Cases for Employee Onboarding / Offboarding as part of User Provisioning cycle, Password Management, Role Based Access Control, Enterprise directory.
- Conducting meetings to describe POC Guidelines with the team and documenting the same
- Defining Use Cases for IAM Workflow, High Availability, Access Management, Auditing / Reporting, Self Service and Delegated Administration.
- Assisting BCBS of Alabama on setting up POC environment for different vendors.
- Providing sample flat file for HR Feed and template for setting up roles in IAM system and assisting them to fill up info in the templates.
- Presenting complete POC Design doc to the team and discussing each Use Case in detail.
- Determine what could be feasible to achieve and prove for IAM vendors during the POC timeframe.

**Project #11      Define and Design IAM Strategy for future phases**

**Client's Name      First Horizon National (FHN), Dallas, TX, USA**

**Period              Sep 2008 – Nov 2008**

**Title                Security Architect / Advisor**

**Project Description**      First Horizon National Corporation is a premier financial services company with a long history of success and traditions dating back to 1864. Today, the company, one of the top 30 bank holding companies in the U.S., is known for exceptional customer service and a deep commitment to the people. Currently FHN is in process of putting together the best strategy to improve their existing home grown IAM infrastructure and process.

**Role & Responsibilities**

- Define processes and procedures to improve current IAM system to satisfy Audit and Regulation requirements
- Define Role Based Access Control processes and procedures including Role Definitions, Role Mining, Role Engineering, etc to mitigate risk of continuous compliance and provide an easy

way to setup IAM roles based on job functions

- Design processes for request access through approvals, maintain job templates, deprovisioning and issues around ID Administration
- Develop strategies to define phases for IAM to achieve business objectives and goals
- Support development and implementation of make changes to the IAM based on the designed Functional and Technical requirements
- Provide high level IAM solution based on vendors such as CA, IBM, Novell and Oracle products.
- Provide expert comments and suggestions to define and incorporate all the job functions for FHN and for IAM system automation

## **Project #12      Design & Implement IAM Solution**

**Client's Name**      **H&R Block, Kansas City, MO, USA**

**Period**      **Aug 2008 – Sep 2008**

**Title**      **Security Architect / Senior Consultant**

**Project Description**      H&R Block is nation's largest taxation company operating out of more than 12,500 tax offices in the United States and more than 1,300 more locations in Canada, Australia, and the United Kingdom, serving nearly 19.5 million taxpayers worldwide. Currently H&R Block is in process of replacing their existing Franchise Account Administration Tool & Enterprise Account Administration Tool by Sun's Identity Manager.

**Role & Responsibilities**

- Designing IAM architecture for H&R Block's 1700+ Franchisees and 30k+ Tax Professionals using Sun Identity Manager r8.0
- Creating Component Architecture, Use Cases, Process Flow with sequence diagrams, attribute and screen mappings, consolidating all in one design specification document as part of IAM Strategy plan
- Building Sun Identity Manager r8.0 infrastructure with Siteminder 6.0 as authentication module and Active Directory 2003 as an authoritative repository
- Creating organizational structure within Sun Identity Manager corresponding HRB's AD structure for Franchisees and Tax Professionals. Importing users from AD into Sun Identity Manager and configuring AD Connector
- Creating ActiveSync process for new Tax Professional account, incorporate changes dynamically for AD group or OU change
- Implementing basic and advanced configurations in Sun Identity Manager as per Solution Architecture.
- Preparing test reports, test plans and satisfying use cases.

## **Project #13      Enterprise IAM solution**

**Client's Name**      **RAAH Technologies Lab, Alpharetta, GA, USA**

**Period**      **Jul 2008 – Aug 2008**

**Title**      **Security Architect**

**Project Description**      Raah's Lab has systems with heterogeneous platform of Windows, Solaris and Linux. Test environment includes Windows Active Directory domains, Oracle Database, Exchange 2003.

**Role & Responsibilities**

- Designing architecture of Sun Identity Manager r8.0 solution for managing namespaces
- Building Sun Identity Manager r8.0 and Sun Directory r6.x infrastructure with high availability configurations
- Building Sun Identity Manager r8.0 and Access Manager r7.1 on Tomcat
- Initial loading of users, delegating user administration, workflows, customization in web pages, automation of user provisioning, creating and managing roles, policies and users, etc
- Implementing basic and advanced configurations in Sun Identity Manager, Directory and Access Manager as per Solution Architecture.
- Preparing test reports and satisfying use cases.

**Project #14      Designing and Implementing Oracle Identity & Access Management solution****Client's Name**      **International Paper, Memphis, TN, USA****Period**      **Feb 2008 – Jul 2008****Title**      **Security Architect / Senior Consultant****Project Description**      International Paper (IP) is a global leader in paper and packaging products. It is a diversified, global company with manufacturing operations in the western hemisphere, Europe, Asia and Africa.**Role & Responsibilities**

- Designing architecture of Oracle Identity Manager r9 solution for managing Active Directory, Exchange 2007, SQL Server, RACF, Top Secret, Native LDAP
- Building Oracle Identity Manager r9 and Oracle Directory r9 infrastructure on standalone system
- Building Oracle Identity Manager (OIM) r9 and Oracle Access Manager (OAM) r9 on Tomcat
- Successfully completing IP's Use Cases including designing, implementing and demonstrating of User Provisioning, Resource Provisioning, Delegated Administration, Auditing & Reporting, Password Management, etc
- Implementing basic and advanced configurations in Oracle Identity Manager, Directory and Access Manager as per Solution Architecture and Use Cases
- Presenting executive summary and technical details to IP team

**Project #15      Design and Implement IAM infrastructure****Client's Name**      **RAAH Technologies Lab, Atlanta, GA, USA****Period**      **Dec 2007 – Jan 2008****Title**      **Security Architect****Project Description**      RAAH's Lab has systems with heterogeneous platform of Windows, Solaris and Linux. Test environment includes Windows Active Directory domains, Oracle Database, Exchange 2003.**Role & Responsibilities**

- Designing architecture of CA Identity Manager r12 and CA Role & Compliance Manager r12 (RCM) solution for defining roles, user certifications, compliance, auditing, automated provisioning and workflow against systems such as Windows Active Directory 2003 and LDAP Directory.
- Building CA Identity Manager r12 and CA Role & Compliance Manager r12 on JBOSS as the

Application Server and MS SQL infrastructure with high availability configurations

- Initial loading of users, delegating user administration, workflows, customization in web pages, automation of user provisioning, creating and managing roles, policies and users, etc
- Implementing basic and advanced configurations in CA Identity Manager r12 and CA Role & Compliance Manager r12 as per Solution Architecture.
- Preparing test reports and satisfying use cases.

## **Project #16 CA Role and Compliance Manager (RCM) High level Assessment**

**Client's Name** First Citizens Bank, Raleigh, NC, USA  
**Period** Aug 2007 – Dec 2007

**Title** Security Architect / Advisor

**Project Description** First Citizens Bank (firstcitizens.com) is a full-service financial services institution headquartered in Raleigh, North Carolina. The company offers transaction and savings deposit accounts, commercial and consumer lending, trust, asset management and broker-dealer, insurance, and other commercial banking services.

- Role & Responsibilities**
- Finding and listing the current pain points and issues in First Citizens Bank's Identity, Access, Role and Compliance Management based on CA Identity Manager R12 and CA Role & Compliance Manager R12 solution.
  - Understanding the current process flow, system configurations and integrations at high level.
  - Understanding expected deliverables out of this first and then consecutive deployments.
  - Preparing proposal and describing best practices high level solution.

## **Project #17 Identity and Access Management**

**Client's Name** Vanguard, Valley Forge, PA, USA

**Period** Oct 2005 – Jun 2007

**Title** Security Architect / Senior Consultant

**Project Description** The Vanguard Group is one of the world's leading investment management firms, offering a wide array of mutual funds and other financial products and services to individuals and institutional investors in the United States and abroad. The Vanguard Group has initiated a search to replace the current provisioning system, SAM. It was recently announced that the SAM solution will have an end of life and all customers will need to migrate to the new solution called Jupiter. Since the Jupiter solution is entirely different than the current SAM solution, Vanguard has decided to investigate alternative Identity Management solutions. Vanguard is also interested in expanding their current security practice to accommodate future requirements where growth and scalability is a concern.

- Role & Responsibilities** Working as Senior Consultant, with responsibilities as follows: -
- Building eTrust Admin 8.1 and eTrust Directory 8.0 infrastructure with high availability configurations
  - Building Identity Manager 8.1 and Siteminder 6.0 infrastructure on Websphere/Tomcat java servlet engine.
  - Mining, defining, engineering and managing the Roles based on employee's job functions and other geographical locations.
  - Actively co-ordinating between the team of Rolta/CA developers to get Vanguard enhanced

connectors for UNIX, ADS, AS400 and new connectors for Sybase and Kerberos.

- Implementing basic and advanced configurations in eTrust Admin, Identity Manager, eTrust Directory and eTrust Audit as per SAS and troubleshooting issues encountered including communication between AS400 and eTrust Admin with SSL certificates.
- Preparing implementation reports and providing knowledge transfer to the Vanguard team.

**Project #18      User Provisioning using eTrust Admin (ver 8.0)**

**Client's Name      MasterCard International, O'Fallon, MO, USA**

**Period      Dec 2004 – Oct 2005**

**Title      Associate Architect / Senior Consultant**

**Project Description**      MasterCard International is a global payments company with one of the most recognized and respected brands in the world. MasterCard serves consumers and businesses, both large and small, in 210 countries and territories.

As regulatory requirements increase as a result of Sarbanes-Oxley (SOX) and Gramm Leach Bliley Act (GLBA), MasterCard's management and controls over user access are under significantly more scrutiny. Currently, MasterCard attempts to manually control more than 200,000 IDs down to the individual access level for 6500 users. Due to the rapidly expanding user population over the last several years, MasterCard needs to move from individual access control to a model that exploits the use of roles or groups of people.

**Role & Responsibilities**      Working as Assistant Architect and Senior Consultant, with responsibilities as follows: -

- Building components of the Solution Architecture Solution (SAS) document specially concentrating topics like Business Requirements and Goals, Business Models, Physical Architecture, Solution Impact, Phasing, Roadmap and Implementation Plan, etc
- Building eTrust Admin 8.0 Servers in the Lab with Web and Workflow components
- Defining Roles through manual and tools and then migrating them for provisioning
- Managing LDAP, Lotus Notes, Oracle, ADS, etc namespaces
- Building eTrust Directory 8.0 SP1 server on Sun Solaris 9 system
- Setting multi-write replication between the two Admin systems as well as between the Admin and Directory systems
- Planning for implementing Admin on Pre-production systems with more number of users, roles, policies, HR Feed along with Web and Workflow functionalities

**Project #19      Implementation of eTrust Admin 8.0**

**Client's Name      Louisiana Department of Natural Resources (DNR), Baton Rouge, LA, USA**

**Period      Apr 2004 – Sep 2004**

**Title      Senior Consultant**

**Project Description**      DNR was looking for a User provisioning solution to manage Windows 2000 Active Directory users, user mailboxes on Exchange 2000 with Active Directory, Oracle Database users and Single Sign On users.

**Role & Responsibilities**      Worked as Support Consultant, with responsibilities as follows: -

- Built eTrust Admin 8.0 GA server with ADS, Exchange 2000, Oracle and SSO options.
- Configured Admin server to manage ADS user objects, Exchange mailboxes without installing Admin component on Exchange server and Oracle users
- Implemented SSL communication between Active Directories and Admin server.

- Installed and configured Admin Web Interface service on Tomcat server for user Self Administration and Delegated Administration tasks.
- Implemented necessary roles and policies
- Conducted knowledge transfer sessions

**Project #20**      **Designing & Implementing Admin Solution (*ver 3.0 Beta 2,3 and ver 8.0 Beta*)**

**Client's Name**      **Superior Consultant Company, Detroit, MI, USA**

**Period**      **Oct 2003 – Apr 2004**

**Title**      **Architect / Senior Consultant**

**Project Description**      Superior Consultant Company provides the health care industry a full array of IT consulting, IT outsourcing, and management consulting solutions. Superior State of Art Data Center in Detroit leverages 24x7-outsourcing facilities to hospitals. Data Center has separate domains and VLAN's for each hospital and maintains the privacy. Current User Provisioning System was decentralized, manual and obsolete. Creating and Managing new entities for standard OS, databases and McKesson Applications become tedious and with manual intervened. Being an outsourcing company for hospitals, Superior needed consolidated solution, which is well architect, flexible, scalable, secured and most important HIPAA Compliant.

**Role & Responsibilities**      Worked as an Architect & Senior Consultant, with responsibilities as follows: -

- Understanding Superior's Business and Technical Requirement
- Designing Enterprise wide Admin 8.0 Beta Solution with Admin, SSO and Directory Fail-Over Concept
- Creating and Testing DSA's for Admin 8.0 as well as for SSO 7.0 on Directory 4.1 Server
- Creating automated scripts to load and associate users with roles, policies, directories, organizational units, etc
- Developing Test Lab and implementing solution consisting of Admin 8.0 Beta Installation & Configurations, SAWI/DAWI, Workflow, Options such as eTrust SSO, Active Directory, Exchange 5.5, creating sample Roles, Policies, Users, etc on production systems
- Exploring and Correlating Users from Namespaces including Active Directory, Exchange, etc
- Escalating Beta related Issues to CA Development and coordinating for getting the solution
- Preparing documents and presentations
- Providing presentations and knowledge transfer in Workshop meetings
- Collecting information and coordinating for developing Wrappers for McKesson Applications

**Project #21**      **Demonstration of eTrust Admin 8.0, eTrust Access Control 5.2, eTrust Directory 4.1 and eTrust Audit 1.5 SP3 Product Functionalities**

**Client's Name**      **GE Energy, Atlanta, GA, USA**

**Period**      **Jul 2003 – Sep 2003**

**Title**      **Senior Consultant**

**Project Description**      GE Energy has enormous number of systems, which needs a centralized User Provisioning System. Currently User Management is distributed and makes it difficult for Administrators to deploy any centralized Policy. GE Energy wanted CA to demonstrate eTrust Product Functionalities by deploying them in their environment as Proof of Concept (PoC).

**Role & Responsibilities**      Worked as Onsite Senior Consultant, with responsibilities as follows: -

- Building eTrust Admin 8.0 GA and Workflow server with ADS, Windows NT/2000, UNIX,



AC and Universal Feed Options.

- Building eTrust Web Server on SSL based Tomcat and configuring it for SAWI/DAWI
- Creating Users, Profiles, Roles and Policies
- Building eTrust Access Control 5.2 server on Windows 2000 and configuring it for protecting users, data, applications, processes, etc
- Building eTrust Audit 1.5 SP2 on Windows 2000 and configuring it for creating Audit policies for Admin and AC systems
- Building eTrust Directory 4.1 server on UNIX for Admin Data Replication
- Conducted knowledge transfer sessions
- Successfully demonstrated all four-product functionalities.

**Project #22**      **Building and Configuring eTrust Access Control (*ver 5.1 SP 2*) & eTrust Admin Solution (*ver 2.01 with CPRv4*)**

**Client's Name**      **Rolta International, Inc., Alpharetta, GA, USA**

**Period**      **Jun 2003 – Jul 2003**

**Title**      **Architect / Senior Consultant**

**Project Description**      Rolta's Lab has systems in UNIX and Windows environment. Every solution is configured and tested. Solution based on eTrust Access Control 5.1 SP2 and eTrust Admin 2.01 (with CPRv4) on Windows NT 4.0/2000 and Solaris 2.9 was designed and implemented. Building Access Control Security Policies, propagating policies and users from central PMDB and managing Access Control from Admin were the main objectives of this project

**Role & Responsibilities**

- Building eTrust Access Control 5.1 SP2 systems on Windows NT 4.0/2000 as well as Solaris 2.9 environment
- Creating Users, Groups and Policies in the Access Control Local Database and native systems
- Building parent PMDB on Windows 2000 and making Solaris 2.9 and Windows NT 4.0 PMDBs as the subscribers
- Creating and propagating Users, Groups and Policies from Windows PMDB
- Building eTrust Admin 2.01 on Windows 2000 system
- Acquiring, Exploring, Correlating parent PMDB in Admin and creating new users, roles, policies and profiles
- Auditing the Access Control and Admin activities

**Project #23**      **Designing eTrust Admin (*ver 2.01 with CPRv4*) solution for large Enterprise**

**Client's Name**      **Cingular Wireless, Alpharetta, GA, USA**

**Period**      **May 2003 – Jun 2003**

**Title**      **Architect**

**Project Description**      Cingular Wireless is the second largest wireless company in the U.S. and is dedicated to providing customers with wireless technology designed to enrich their lives. Cingular Wireless manages its South East Zone from Atlanta with branches extended to Dallas. It has three large enterprises consisting of more than 2000 Servers and 30,000 User Accounts distributed in three large Data Centers. Because of the existing decentralized User Management and reduced security, an enterprise based Solution based on eTrust Admin was designed which helped Cingular to gain productivity, more security and a Centralized Solution

<b>Role &amp; Responsibilities</b>	<p>Worked as an Architect, with responsibilities as follows: -</p> <ul style="list-style-type: none"> <li>• Understanding Cingular's Business and Technical Requirement</li> <li>• Simulating Cingular's Setup in Rolta Lab</li> <li>• Designing Enterprise wide Admin 2.01(with CPRv4) including PeopleSoft, SAWI/DAWI, Workflow, etc along with Admin &amp; Directory Fail-Over Concept</li> <li>• Preparing documents and presentations</li> </ul>
<b>Project #24</b>	<b>Designing eTrust Admin (<i>ver 2.01</i>) solution for medium Enterprise</b>
<b>Client's Name</b>	<b>Regions Financial Corporation, Montgomery, AL, USA</b>
<b>Period</b>	<b>Apr 2003 – Apr 2003</b>
<b>Title</b>	<b>Architect</b>
<b>Project Description</b>	<p>Alabama-based Regions Financial Corp. has an excess of \$39 billion in assets, and more than 700 branches spread throughout eight Southern states.</p> <p>IT in Regions Financial is widely distributed with no central management. Because of the existing decentralized User Management and reduced security, Solution based on eTrust Admin was designed.</p>
<b>Role &amp; Responsibilities</b>	<p>Worked as an Architect, with responsibilities as follows: -</p> <ul style="list-style-type: none"> <li>• Understanding Region's Business and Technical Requirement</li> <li>• Presenting eTrust Admin Technology</li> <li>• Designing eTrust Admin 2.01 Solution including Options such as PeopleSoft, Lotus Notes, Top Secret, Windows Active Directory Services, SAWI/DAWI, Workflow, etc along with Admin &amp; Directory Fail-Over Concept.</li> <li>• Collecting information on the developing Admin Custom Agent</li> <li>• Preparing Architecture Design Document</li> </ul>
<b>Project #25</b>	<b>Implementation of eTrust Admin (<i>ver 2.01</i>), eTrust Directory (<i>ver 3.6</i>) &amp; eTrust Audit (<i>ver 1.2</i>)</b>
<b>Client's Name</b>	<b>Verizon Wireless, Boston, MA, USA</b>
<b>Period</b>	<b>Mar 2003 – Mar 2003</b>
<b>Title</b>	<b>Senior Consultant</b>
<b>Project Description</b>	<p>Verizon is the leading wireless company in the U.S. and is dedicated to providing customers with wireless technology and other IT and Telecom Services.</p>
<b>Role &amp; Responsibilities</b>	<p>Worked as Senior Consultant, with responsibilities as follows: -</p> <ul style="list-style-type: none"> <li>• Understanding Verizon Business and Technical Requirement</li> <li>• Building eTrust Admin, eTrust Directory and eTrust Audit Servers</li> <li>• Configuring User Management, Web and Directory Replications</li> <li>• Presenting the implemented solution to the client</li> </ul>
<b>Project #26</b>	<b>Implementation of Admin and Directory</b>
<b>Client's Name</b>	<b>Landstar Systems, Jacksonville, FL, USA</b>
<b>Period</b>	<b>Dec 2002 – Feb 2003</b>
<b>Title</b>	<b>Consultant</b>

**Role & Responsibilities**

Providing support from Project Management Office for the project in the following way: -

- Understanding the client's infrastructure and Statement of work
- Preparing a demo setup based on CA-eSecurity products consisting of eTrust Admin and eTrust Directory
- Configuring eTrust Admin with PeopleSoft, ADS and Generic LDAP Options
- Configuring eTrust Directory with structured DSAs and DBs
- Solving issues raised by the Consultant during the course of implementation.

**Project #27 Implementation of Access Control, Admin and Single Sign On**

**Client's Name** Louisiana Office of Group Benefits, Baton Rouge, LA, USA

**Period** Apr 2001 – Nov 2002

**Title** Consultant

**Role & Responsibilities**

Providing support from Project Management Office for the project in the following way: -

- Understanding the client's infrastructure and Statement of work
- Preparing a demo setup based on CA-eSecurity products consisting of eTrust Access Control, eTrust Admin and eTrust Single Sign On
- Creating users, policies, roles and profiles as per the clients worksheet
- Integration of individual module
- Solving issues raised by the Consultant during the course of implementation.

**Project #28 Setup a Local Area Network (LAN)**

**Client's Name** CMS Computers Ltd., Mumbai, India

**Period** Mar 2001 – Apr 2001

**Title** Senior Systems and Network Engineer

**Project Objective** This project dealt with implementation and maintenance of the network

**Role & Responsibilities**

- Implementation of star topology using different network cables and connectors.
- Installation and configuration of Windows NT Servers and Workstations Operating Systems in different regional offices
- Installation and configuration of Windows Remote Access Server (RAS), Domain Name Services (DNS) and Windows Internet Name Service (WINS)
- Monitoring system and network status for performance tuning

**Project #29 System and Network support**

**Client's Name** Suman Motels Ltd., Mumbai, India

**Period** Feb 2001 – Mar 2001

**Title** Systems and Network Engineer

**Project Objective** Maintenance of the system and network for Suman Motels, which was one of the AMC client's for Aditya Information Systems.



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## **Role & Responsibilities**

- Exploring the clients system and network infrastructure to understand OS, Applications and Network type
- Providing day-to-day administration by regularly testing system and network performance
- Troubleshooting technical problems

## **EDUCATION**

Bachelor of Engineering (B.E) with **First Class** from University of Mumbai in June 2000.