VIJAY AMRIT RAJ SHARMA

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Education: Graduate from Indian Institute of Technology - Delhi (IIT-DELHI) in Computer Science & Engineering (Year-2000)
Role/Position: Engineering Director at Oracle with ~22+ years' experience and accomplished technologist in managing all aspects of Technology, Architecture, Development for Cloud and Enterprise software products and applications and presently at Oracle India (Noida) since Nov 2014.

Summary Of Achievements and Experiences

- Leading engineering for multiple Oracle Ad-Tech Products focused around audience identity creation and activation.
- Established and delivered performance, scalability, HA and Disaster Recovery groups for Oracle's Identity Cloud Services (IDCS) encompassing Oauth 2.0, OpenId, SCIM, SAML, REST, Micorservices, Docker, Kubernetes, terraform, ELK, Grafana etc.
- Led "on-premise to cloud" transformation of Identity Management (IAM) distributed org to adapt to Oracle Cloud Infrastructure.
- Delivered Cloud Migration of over 27000 legacy tenants accounts to new Cloud Accounts in IDCS OCI (Oracle Cloud Infrastructure)
- Created and lead practices to reduce cloud expenditure through capacity planning resulting in a 25% reduction in cost and a 40% increase in resource utilization.
- Started numerous initiatives for organization building like knowledge empowerment, strategic hiring, agile adoption, performance etc
- At CSC headed new health care product initiations in terms of technology leadership for entire life cycle primarily for customers in Denmark, Germany and Sweden

Oracle, Noida (India): Nov 2014 – Till Date: Director, Software Development

Oracle Data Cloud

Leading three products under Oracle Data Cloud services for Ad Tech domain that helps advertisers connect with the right customer, personalize every interaction, and measure the effectiveness of each engagement. Was responsible for providing the services that allow Oracle Advertising to bring together various forms of identity consumers use online and offline to give marketers and advertisers a clear, consolidated view of their customers and reach them at different touch-points during their customer journey.

The services work on various cloud and Big Data technologies including AWS, OCI, Springboot, Spark, Hive etc.

Oracle Identity Cloud Service - IDCS

Lead for migration of On-prem tenants to Cloud, performance & scalability engineering, high availability and DR for IDCS.

Tools/Tech: Cloud, Java, J2EE, Docker, terraform and Kubernetes for containerization, provisioning/orchestration and cluster management, Grafana/T2/ELK for metrics and log monitoring

- Legacy account migration to Identity cloud: Migrated thousands of existing customers from legacy oracle identity account models to Identity cloud accounts in Oracle IAM Cloud Service. Delivered multiple migration ways to cloud including bulk migration and self-service one click migration allowing customers to choose how and when they want to migrate with just one click and user identities, roles, app roles, grants, group, entitlements, policies etc were seamlessly moved to their cloud accounts in IAM/IDCS Oracle Cloud.
- Performance & Scalability Engineering framework for Oracle Cloud Service, IDCS.
  - Continuous Performance: Developed continuous performance engine for performance regressions as part of CI/CD pipeline.
  - Introduced many pro-active performances engineering measure such as pro-active profiling of new feature code, static code rule-based IDE integrated analysis to capture bad performing code paths. The idea was to get away from "fix-it-later" attitude.
  - Plotting of scalability curves to cost effectively increasing the capacity taking capability of the IDCS cloud service
- High Availability and Disaster recovery: Responsible for providing uptime requirement of 99.95% to IDCS.
- Program manager for development of KMS Cloud Service dealing with team in many geographical locations (Delhi, Bangalore, East Coast, West Coast etc)

CSC, Noida (India): Nov 2010 – Nov 2014: Senior Manager, Technology Architect (Healthcare)
Sr. architect for all healthcare products for Scandinavian countries on the standards like LIS, HIS, EHR, HL7etc

eMEDlink-Telemedicine/Remote Healthcare Monitoring: Executed offshoring transition of highly complex telemedicine product to India from Denmark for providing remote monitoring of patients through video conferencing. Integrated various medical monitoring devices like oximeter, spirometer, blood pressure etc supporting continua compliance using Bluetooth HDP. Developed measurement data transmission from medical device over the video conferencing to clinician.
Technologies: Vidyo, .NET, PHP, SQLServer, Visual Studio 2010, TFS etc

Mobile Vitae (Android): Roadmap, Solutioning and Implementation of android-based patient care mobile application for healthcare services. Developed hybrid architecture based android app to support online and offline mode. Key features were:

- Toggle/Interoperability between Android and WebApp (HTML/.NET)
- SSO and Session management between the two heterogeneous application
- Hassle free Installation and Intelligent Automatic Version Upgrade along with QR Code usage.
- Security of data on device with128 bit encryption using SQLCipher
- Log-off, Synchronization, Lock-unlock

Technologies: J2EE, Java, Android, ASP.NET, JSON, SQLLite, HTML4, RESTful Webservices, JQuery, Zebra-Xing for QR code scanner.

HP, Singapore Dec 2007-Nov 2010: Ecommerce engineering lead

Started HP's HHO (www.hpshopping.com) development center in Singapore from scratch. Managed hiring, campus recruitment, knowledge transfers, and coordinated operational and leadership matters with US, India and China team

a) **(ISS) Industry Standard Servers**: Integration project to enable HHO's e-Commerce engine to sell ISS products to micro businesses. It involved integrating Web App, Middleware, SAP IDOCs,shipping, financial, order fulfillment systems (Factory).
   b) Extensive use of RDMBS/File/JMS/HTTP/Timer Event Generators from WLI
c) **HPP –** Data Migration: Moving to HP's single sign-on platform (running SiteMinder) for authentication and authorization.
   a. Migrated ~12 million HHO Users into SSO system (HPP), resolving conflicting profile between two systems.
   b. Forward and reverse migration of ~12 million users between HHO and HPP within challenging downtime of 1 hour.

Ness, Singapore- Mar 2005 - Mar 2007 (On Contract): Senior Technical Analyst (**JES**).

The JES Suite: iPlanet Web Server, Sun one App Server, Directory LDAP Server, Access Manager for Single Sign-on.
1. **Client - GIC (Govt. Of Singapore Investment Corp):** Redesigning and implementation of forex trading system using BPM workflow framework from ICAN SeeBeyond making extensive use of eGate-eWays, JMS, Springs, webservices etc
2. **Client - Credit-Suisse**: Financial project on exchange fees, bank charges, interest claims and brokerage. Health checkup of single sign-on system- The SSO system being used by various divisions of private banking system of Credit-Suisse was using sun's access-manager, iPlanet Webserver, sun-one application server cluster

BEA (Oct 2003 to Nov 2005)
Design and development of BEA Weblogic HTTP Container

Sapient (June 2000 to Oct 2003)
1. Content Management and Content Delivery using Vignette and Storyserver
2. Dev and performance tuning of j2ee applications (EJB, jsp, servlets, weblogic)