RICHARD JASON LYDERS-GUSTAFSON

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In my career that has spanned over thirty years in software development and systems architecture, I have acted as designer, technical lead, and senior developer for complex projects, including DBA of custom solutions within Oracle E-Business Suite (EBS) 11i and R12 and Oracle application modules, focusing on custom order entry, manufacturing, AP, PO, AR, HR, customer facing web portals, stored procedures, functions, packages, and e-commerce solutions, such as Pro\*C, Oracle SOA Suite, Enterprise Data Quality (EDI), EiS, Crystal Reports, OBIEE, Oracle Application Server, Oracle Data Integrator (ODI), Oracle BPEL, Oracle Forms, Oracle HRMS, Oracle Reports, Oracle Publisher, Oracle Designer, Oracle Financials, Oracle Procurement, Oracle Manufacturing, XML Publisher, XML Gateway, Oracle Workflow, SQL Navigator, SQL Loader, PL/SQL packages, SOAP, SVN and git, and database design. I have also performed extensive work as a part-time Unix admin: LINUX, Solaris, Scripting, TOAD, Ubuntu, RedHat, AIX, Citrix XenServer using PHP, Perl, and bash shell scripts. In addition, I have experience developing applications with: PostgreSQL, clustering, Java, Javascript, C, C++, C#, VB.Net, asp, NodeJS, Jade, Express, XML, XQuery, XPath, XSLT, and Angular. I love what I do and I aim to be challenged both by the problems I am asked to solve and the people I get the honor of solving them with.

**PROFESSIONAL EXPERIENCE**

**AIR LIQUIDE AMERICA, LLP** (LYDERS CONSULTING), Houston, Texas DECEMBER 2014 TO PRESENT

*Senior Oracle EBS Development Solutions Architect*

* R12 AR Auto Lock box: Analyzed in detail the SQL\*Loader control file setup and company-specific R11i customizations to facilitate conversion from R11i Auto Lockbox setup to R12 across various OUs and banks in US, Canada, and Mexico.
* R12 Advanced Pricing: Performed detailed analysis, conversion, setup, and testing of price lists, modifiers, qualifiers, formulas, and customizations used for automatic application of default charges in R12 Order Management and iStore, including charges for insurance, delivery, HAZMAT, fuel, energy, etc.
* Performed general data analysis, extraction, reporting, and conversion using SQL\*Loader, SQLcl (SQL command line) and SQL Developer, leveraging many of the modern Oracle features with analytic functions, INSTEAD-OF triggers on views, CONNECT-BY, MERGE, PIVOT, UNPIVOT, CUBE, ROLLUP, and GROUPING SETS.

**KBR, INC**. (PINNACLE MANAGEMENT SYSTEMS), Houston, Texas FEBRUARY 2014 TO DECEMBER 2014

*Implementation Consultant*

* Implemented new features and enhancements that allow project budget management for client and non-client projects along with capital projects within EcoSys EPC leveraging Oracle 11g database in a tightly integrated environment to Oracle EBS via Informatica.
* Took initiative to design and develop a custom suite of web 2.0 tools to efficiently filter and convert EcoSys EPC XML interface and configuration files using XPath 3.0, XQuery 3.0, XSLT, and PL/SQL within the framework of Node.js, Express, Jade, and Stylus.

**AIR LIQUIDE AMERICA, LLP** (LYDERS CONSULTING), Houston, Texas OCTOBER 2007 TO OCTOBER 2013

*Custom Oracle EBS Development Solutions Architect*

* Researched, planned, installed, and configured Oracle SOA environment, researched and planned service inventories, SOA standards, service models based on accepted SOA patterns, and SOA governance involving Oracle Enterprise Data Quality (EDQ), Oracle Data Integrator (ODI), and Oracle BPEL.
* Designed and developed a custom auto-transfer process for a custom order management solution within Oracle EBS that allowed users to avoid manual creation of transfer documents between locations when ordered blends were manufactured, shipped, and sold from different locations.
* Designed and developed a custom auto-CBA (cylinder balance adjustment) process for a custom order management solution within Oracle EBS that allowed users to avoid manual creation of asset balance order documents when transferring assets between customer locations in order to make corrections to customer inventory asset balances.
* Leveraged Oracle EBS Workflow, XML Gateway, and Oracle Business Events to develop an engineering item workflow for a custom order management solution within Oracle EBS that collected information from multiple source systems. The workflow automated the creation of Oracle inventory items such as item organization assignment, item category assignment, and item cost.
* Developed a custom XML HUB Server that acted as a central middleware HUB for all XML Gateway communication—inbound and outbound—between a custom order management solution within Oracle EBS and a third party manufacturing solution running on AS/400 named JobScope. The “XML HUB” performed conversions and transformations to correct errors related to incompatible protocols and incorrect handling of special characters within the 11.5.9 version of Oracle XML Gateway.
* Developed custom Java web services that leveraged SSL encryption, XML encryption, public/private keys, and digitally-signed payloads for a custom order management solution within Oracle EBS in order to become fully integrated with a third party asset tracking solution. Developed .Net web service as a debugging testing tool for the Java web service.
* Developed XML Gateway interfaces for a custom order management solution within Oracle EBS to send custom order documents with chemical blend manufacturing data to and from a third-party manufacturing solution.
* Designed and managed the development of a complex custom specialty gas blend order entry solution for a custom order management solution within Oracle EBS comprised of multiple custom forms, PL/SQL packages, and XML Gateway message maps for entry of blend models (template blend items), blend products (inventory items), blend requests (order line items) chemical components, chemical impurities, along with analytic accuracy and precision.
* Re-designed and developed a custom pricing calculation module for manufacturing specialty gas blends for a custom order management solution within Oracle EBS.
* Designed and managed the development of a PayPal integration for a custom order management and invoicing solution within Oracle EBS that included a new Java API, PL/SQL API, and Oracle Form, while ensuring we were in compliance with PCI (Payment Card Industry) regulations, in order to allow integrated and monthly recurring credit card processing.
* Architected, installed, configured, tested, and deployed a new trio of XenServer virtual machines that leveraged the GlusterFS clustered file system along with a replicated PostgreSQL database, which resulted in a master server, standby reporting server, and separate server for user testing:
  + The business needed a simple but responsive project management solution with high availability until the long-term project management solution could be put in place, which was still 12+ months away from implementation.
  + All of this work was done using a XenServer host machine that I independently purchased, setup, configured, and maintained to be responsive to business needs, which was completed on a tight one-week deadline.
* Designed and developed a custom reporting server available to users via a simple web UI, allowing for execution of parameterized SQL queries against any one of the multiple EBS application environments:
  + Collections of queries were able to be scheduled for daily execution and automatic delivery using email distribution lists.
  + Drill-down reports were supported to chain reports together.
* Designed and implemented a real-time validation embedded within the Oracle EBS PDF printer driver to check each invoice report output for key data elements within the PDF output:
  + Missing data would result in the invoice report being resubmitted along with email alerts being sent out to alert technical staff of the issue for further debugging.
  + The root problem ended up being a bug within the 11.5.9 version of Oracle concurrent manager memory pool that only occurs when the same concurrent program is executed at precisely the same time from two separate requests.
  + This solution was created in response to rare and unexplained occurrences of the output of batched PDF invoice reports being merged.

**VOILA IP COMMUNICATIONS, INC.**, Houston, Texas OCTOBER 2005 TO SEPTEMBER 2007

*Director of Software Development and Custom Open Source Development*

* Architected SOA environment initially planned for the ServiceMix ESB, but resorted to the Mule ESB for reasons of maturity, stability, and support.
* Managed a software development team that created a completely custom customer portal, including customer sign-up and configuration of VoIP telephone services using web services via Mule ESB.
* Designed, developed, and implemented database design and architecture for the customer portal.
* Designed and managed development of network tracing and route optimization solutions to ensure the highest quality of voice communications for customers, as well as a custom auto-provisioning VoIP solution so that customers could sign up and have their new VoIP phones automatically configured and ready to go just by connecting the phone to an internet connection.

**EAGLE GLOBAL LOGISTICS** (LYDERS CONSULTING), Houston, TexasJANUARY 2004 TO SEPTEMBER 2005

*Oracle EBS Senior Consultant*

Designed and developed a custom PO auto-match solution within Oracle EBS using server-side PL/SQL packages, Oracle Forms, and Oracle Reports.

**AIR LIQUIDE AMERICA, LLP** (LYDERS CONSULTING), Houston, Texas FEBRUARY 2000 TO DECEMBER 2003

*Oracle APPS and BroadVision Javascript Development Consultant*

* Owned responsibility for enhancements and maintenance of the company’s custom Oracle EBS invoicing module that consisted of several PL/SQL packages, concurrent programs, forms, reports, and interfaces.
* Automated a custom patching and promotion solution via Windows and Linux bash scripts.
* Co-developed an international, multilingual, multi-currency order entry and invoicing system using custom Oracle EBS that leveraged server-side PL/SQL packages, Oracle Designer (CASE), Oracle Forms, and Oracle Reports.

**THE FRIEDKIN COMPANIES** (LYDERS CONSULTING), Houston, Texas MARCH 1999 TO FEBRUARY 2000

*Oracle APPS Development Consultant*

Performed extreme SQL and PL/SQL optimization and tuning: Oracle HRMS and Oracle Financial applications design and development of reports and interfaces.

**MORIARTY LITIGATION GROUP**, Houston, Texas JUNE 1992 TO JANUARY 1999

*Senior Systems Developer and Project Manager*

Management and execution of projects in design, development, implementation, maintenance, and training of users for over fifteen separate client-server databases of hundreds of thousands of records, and in-house custom document imaging solutions for mass-tort law firm and five remote partner firms.

SPACE VACUUM EPITAXY CENTER, UNIVERSITY OF HOUSTON, Houston, Texas JUNE 1987 TO SEPTEMBER 1991

Software Developer of Experimental Research Applications

Design and development of data-acquisition, real-time control, and data analysis applications in Pascal, C, and C++ for research and commercialization of thin-film epitaxial growth in space for NASA and Dr. Paul Chu’s internationally recognized superconductivity research team.