

# David Oldroyd

6280 So. Mt. Langley Circle

West Jordan, UT 84084

Phone: (801) 573-6828

Email: david@orapower.com

## Summary of Qualifications

David is an adept architect capable of finding unique solutions to challenging problems. He has a broad technical understanding of Oracle's E-Business Suite of financial and manufacturing applications. He is a capable "hands-on" technical manager, working with architects and developers to produce quality solutions. Areas of recent experience include: Web Services, E-commerce, XML schema development, EDA/SOA/BPEL, and customizing and implementing Oracle's E-Business Suite (10.7 - 11.5.10).

## Employment History

### **Development Manager / Senior Software Architect – Novell - February 2002-Present**

Led a team of more than 15 developers (in house and off-shore) to re-implement Oracle E-Business suite 11.5.10. Responsible for ensuring the consistency and completeness of all design/build development items associated with the re-implementation. This included creating documentation templates for functional specifications, technical specifications, installation, and unit testing – loosely based on the Oracle AIM and IBM Ascendant methodologies. Documented coding standards, outlined core programming APIs and developed interface, reporting, and conversion strategies for internal and external resources to follow. Performed reviews of all documentation and code, assigned and scheduled resources, and provided technical input to the steering committee. Trained the development teams world wide on project standards and tool usage.

Architect of a B2B partner ordering tool making use of Oracle's BPEL process manager to orchestrate the processes involved in placing, tracking, and processing orders for Novell's partners. This system communicates with several enterprise applications using event-driven and service oriented architectures.

Served as the Sarbanes Oxley technical lead for IT program change. Developed and documented controls and procedures around program change to mitigate the risks spelled out in the Sarbanes Oxley act. Worked closely with internal and external auditing firms to develop and refine the needed procedures. Trained the development teams in the required processes and monitored compliance.

Architected a custom "customer hub" for Novell to store master customer information in a central repository and disseminate the appropriate customer information to Oracle, PeopleSoft, DirXML, TrueComp, Siebel, and several in-house systems. With this repository Novell was able to start to see a true 360 degree view of all customers.

Designed and developed a custom vendor managed inventory module. This project involved identifying a consistent and acceptable data and communication model for working with 3<sup>rd</sup> party suppliers world-wide. Introduced the business to a modified XP methodology including user stories, rapid deployment cycles, test-driven design, and daily involvement with business users.

Designed and developed an interface paying invoices in Europe through an EFT process. This involved coordinating development resources for both Novell and the target banks, developing and testing code, and training Novell employees.

Maintained and managed the Oracle Application development team's issue list and coordinated with business management to prioritize and work on bug fixes and new projects.

Updated and extended Novell core programming APIs. This included debug messaging, job control, FTP, operating system interfacing, quick reporting, and other "nice to have" simplified programming modules and APIs.

**Independent Software Consultant -Self Employed ~ February 1997-Present**

Assisted a large network services company in scrubbing their Oracle Applications' schema in preparation for their applications upgrade. Identified and transparently migrated over 1500 database objects into the correct schemas. Tuned reports and external interface processes decreasing order processing time by 500%. Also helped develop consistent coding standards, practices, and tuning methodologies.

Lead Developer for an ASP.net-based rock and survey analysis tracking and reporting program. This web program is designed for use by employees at the rock crushing facilities as well as for management and government reporting employees.

Lead Developer for a Java based distributed catalog and reporting system for a large food distribution corporation. The system distributes daily, weekly, and monthly reports, field associate sales tools (programs), and updates to a local Java/ HTML based catalog system. The program has a configurable look and feel through a template system. The data is distributed through both an asynchronous daily upload and on-demand as required using XML as the data format for configuration and presentation.

Principal database architect for a cross-platform Java based configuration management program following MIL-STD 2149. Designed and developed the front end Java GUI for managing the database objects. Developed the data model, server-side triggers, packages, procedures and functions in PL/ SQL and Java for manipulating the CM data in an object-oriented manner in the Oracle database.

Developed a historical materials management system using customized extensions to Oracle's Designer 2000 following MARC standards for cataloging. Interviewed users and developed user interface standards. Developed a PL/ SQL code generator extension that interfaced with Designer 2000 to cut new module development time by nearly 90% and enhance reuse.

Taught training courses in Oracle Applications development using the Oracle CUSTOM.pll to minimize upgrade impact.

Trained developers in SQL coding standards and performance tuning for Oracle.

Consulted on year-end 1099 processing for a mid-sized manufacturing firm using both Oracle and non-Oracle systems. Modified and created Oracle reports for the company's installation of Oracle Financials (11.0)

Performed ERD analysis and provided SQL and PL/ SQL training for a mid-sized dental firm in the process of converting legacy data into an Oracle RDBMS.

Performed technical interviews (tech-checks) for various consulting firms in Oracle, Java, and HTML skills.

**Principal Consultant -TruTek -Jan 1999- Jul 2001**

Project Manager / Lead Developer for an E-commerce order fulfillment application, interfacing in realtime with Oracle Applications (Release 11). This application was designed for a high-volume multi-level marketing corporation. The application leads customers through the entire order fulfillment process and allows for direct access into the entire supply chain. Designed the architecture, security model, and template-based development environment. Developed front-end HTML/ Java / Javascript GUI and back-end PL/ SQL/ Java/ Perl modules, conducted code reviews, implemented an automated source code control system, and designed an automated upgrade release process. Also made business process re-engineering recommendations and implemented the new processes through a combination of functional process changes and technical code modifications.

Lead Developer for a telephone circuit and facilities management program. The program tracked circuit configuration, phone number assignment, and circuit provisioning. Developed the Java GUI front-end and assisted in writing the underlying Oracle PL/ SQL API back-end procedures.

Led design and development efforts for a large time-management organization to create extensions to Oracle Applications (10.7) Inventory module to replicate item master changes in one organization to all assigned organizations. Designed a process to dynamically identify differences in item master attributes across multiple Oracle and Ingres database servers and concurrently replicate the changes back to the other servers.

Performed technical interviews for competency in Oracle, Java, and HTML skills.

**Senior Applications Consultant -Oracle Corporation -April 1997-June 1998**

Led the development effort for an order entry system to be with Oracle Manufacturing Applications (Release 10.7) as a high-volume replacement for the default Oracle Order Entry module. Created database object configuration management scripts using Perl and PVCS API.

Certified as an instructor for Oracle Education to teach, "Design an Build Applications with Designer 2000." Trained customers to use Designer 2000 in conjunction with this certification.

Assisted with the implementation of Oracle Manufacturing with a large clean-room manufacturing firm, including function design assistance, and technical modifications to forms and reports. Also created custom automated interfaces between manufacturing , project accounting, and general ledger modules.

**Programming Team Leader / Senior Programmer -KIVA -March 1994-April 1997**

Backup DBA for KIVA development and production databases. Performed critical DBA tuning functions for KIVA clients that include major metropolitan city and county governments.

Managed programming staff members and coordinated their efforts to develop new modules and support existing programs. Improved the coding efficiency by improving coding practices and standards, and by implementing code walk-throughs and reviews.

Designed a defect tracking system used both by in-house staff and remotely by clients through a PL/SQL and HTML interface.

Worked with clients to design custom modules that integrate with the KIVA software system. This opened up new markets for the KIVA system in the areas of mobile computing and telephony (IVRS).

Responsible for conversion of character-based Oracle forms to GUI forms. Cut the proposed conversion time by 75% by developing automated processes that both cut manual intervention and defects. A total of over 400 forms were converted and tested in less than 4 man months.

**Developer -BDM Federal -February 1992-March 1994**

Developed a Hazardous Materials Tracking Program for military bases nationwide. The program tracked the existence of, exposure to, and use of hazardous and non-hazardous materials in building and maintaining military equipment.

## Academics

BS in Computer Science, March 1994, 3.8/ 4.0 GPA.  
University of Utah

## Computer Experience

### *Languages and Software*

- Oracle Financials, Oracle Manufacturing, Service/Sales Contracts, Advanced Pricing, Business Event System
- Oracle Designer, Oracle Developer v3-10g, JDeveloper
- Oracle RDBMS 6-10g, PL/ SQL, SQL, SQLJ, PL/SQL Pages, Oracle Application Framework, ADF, Workflow Builder, Oracle Approvals Manager
- Oracle Application Server (2-10g), Apache, Tomcat, JBoss
- Eclipse, Borland JBuilder
- Java, C#, C++, C, Python, Perl, VB
- ASP.net, Visual Studio 2003-2005
- XML, XSL, HTML, CSS, Javascript
- J2EE, Servlets, JSP

### *Development Methodologies*

- Waterfall
- XP / Agile
- AIM
- Ascendant
- Unified Modeling Language (Booch et al.)
- Design Patterns (GOF et al.)

### *Operating Systems*

- Windows 95/ 98/ ME/ NT/ 2000 /XP
- Linux (Suse / Redhat)
- Solaris
- HP/ UX

## Certifications / Awards / Publications

- Novell IS&T outstanding employee award recipient.
- Wrote technical examples for the book Oracle 9i Development by Example (QUE 2001)
- Assisted Dan Hotka in writing Oracle 8i From Scratch by researching emerging Oracle technologies (QUE 2000)
- Certified Oracle Master Developer
- Certified Oracle Education Instructor
- Presented papers at UTOUG and Openworld conferences
- Sun trained distributed Java Programmer
- First Utah recipient of BDM Star award for outstanding technical development.

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