

Resume

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Objective

SAP R/3 Basis and ABAP/4 Specialist, where a diverse set of experience with R/3, Unix, and ABAP/4, as well as troubleshooting abilities will contribute to the construction of a stable R/3 environment.

Summary

Diverse technical experience with R/3 Basis and Unix systems, with special focus on CTS and release management.

SAP R/3

- ABAP/4
- CTS
- Basis
- R/3 on Oracle

Work Experience

- Database Administrator, Afiliast Canada

Wrote data conversion software used to load registry information into EPP form for the transition of the .ORG Top Level Domain from Verisign Global Registry Service to the Public Interest Registry. The successful technical cutover of this conversion took place January 25 and 26, 2003.

Prepared data conversions for numerous additional "country code" top level domains that have come under management, moving registries from various forms into registries managed using the IETF standard Extensible Provisioning Protocol (EPP).

Produced SGML DocBook-based documentation and designed revenue management software particularly for management of deferred revenues for an Internet Registry.

Management of PostgreSQL replication systems; eRServer as well as Slony-I. This has also included developing extensions to Slony-I.

Major technologies in use include Linux, AIX, PostgreSQL, Perl, XML, TeX, amongst many others.

- Consultant, cbbrowne Computing Inc

Wrote data conversion software used to load registry information supplied by an outside agency into PostgreSQL in the form required by the EPP protocol to implement the transition of the .ORG Top Level Domain from Verisign Global Registry Service to the Public Interest Registry.

In addition, defined business requirements for a Deferred Revenue Recognition System to calculate deferred revenue on sales of domain registration services.

- Technical Reviewer, Wrox Press - August 2002 to November 2002

Detailed reviews of technical material for forthcoming books to be published by Wrox Press.

- Author: [Professional Open Source Web Services], ISBN 1861007469, January to June 2002.
- Consultant, Deloitte Consulting, Application Management Outsourcing, Markham, Ontario - August-October 2001

ABAP/4 development, responding to trouble tickets in various SAP modules including SD, MM, HR, FI.

- Developer, Cotest Software Design Corporation, Ottawa Ontario - June/July 2001

Developed software to analyze binary file format data using Common Lisp on Linux to generate C++ code.

- Consultant/Systems Engineer, Sabre Inc, Fort Worth, Texas - March 1996 to March 2001

Duties included Unix troubleshooting, managing the application of changes using the CTS change management system, development of SAP R/3 applications in ABAP/4, and other R/3 troubleshooting. This included the following SAP R/3 projects:

- March 1998 through March 2001: Basis and CTS Management

Regularly on the "on-call" CTS support team, migrating change requests from the development environments to test, training, and production.

This occasionally included "mass moves" of configuration and code into new environments as various projects (notably International and 4.6 Upgrade) resulted in the creation of parallel sets of R/3 systems alongside the traditional set of "Development/Consolidation/Production" systems.

Constructed a suite of tools using ABAP/4 and Unix shell scripts to automate the installation of R/3 transports to eliminate production coverage errors and to overall help manage the flow of transports. This included the routine flows of change requests from development to production as well as more

unusual flows that result when there are additional special purpose development and testing environments.

This also often involved all sorts of troubleshooting and other support in assistance to functional consultants and developers, including:

- Tracing "change requests gone awry;"
 - DBA tasks such as adding tables for developers and functional analysts, as well as generating "load" utilities to load in data.
 - Installation of SAPGUI;
 - System landscape - what clients should be on what servers;
 - System tuning;
 - Administration of departmental Novell server;
 - Building tools in ABAP/4 and UNIX Korn Shell to help manage change requests
 - Keeping screwdriver, static guard, and pocket knife handy for whatever other odd things may arise.
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- Special Project: August 2000. Designed and implemented cryptographic tools in ABAP/4 to generate and manage security "PINs" for 100,000 employees to authenticate access to web-based HR data.
 - Y2K Validation, June 1999 through March 2000
- Much of this took place concurrently with the SHARP International implementation.
- Transported customer code and configuration onto a sealed-off server that was used to run Y2K regression tests;
 - Built ABAP/4 programs to search customer programs for possible nonconformances.
 - Applied OSS patches, special SAP-provided "Year End" patches, as well as local customizations to support testing of year end and W2 processing.
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- Upgrade of HR/Payroll System to R/3 version 4.6B, March 2000 through October 2000.
 - Built Unix Korn Shell and R/3 ABAP/4 tools to analyze the set of change requests, and then to manage the mass installation of around 1500 change requests required to update the HR/Payroll system from R/3 version 3.1H to 4.6B.
 - Converted database tables, screens, and maintenance views to reflect 4.6 functionality.
 - Applied OSS notes and reapplied local customizations (mostly ABAP/4) when Legal Change Packages were applied to bring in SAP bug fixes and enhancements.
 - Reviewed custom ABAP/4 programs and remediated as necessary to ensure they would continue to work correctly under version 4.6B.
 - An "International Phase" of SHARP was took place in summer 1999, completing in October 1999, adding in AMR employees in 72 countries.

Duties on this project involved Basis work, managing the synchronization of domestic and international configuration and programs. This included:

- Validating and installing CTS requests, including troubleshooting, and, in the end, applying all the international change requests across the functional and developer teams into production;
 - Application of OSS patches, including code changes and transport requests downloaded from Sapserv.
 - Modifications to existing ABAP/4 programs to ensure they supported international operations, as well as regression testing.
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- Implementation of R/3 version 3.1F for HR and Payroll modules for American Airlines, called SHARP, October 1997 to September 1998.

“Phase 1A” of the SHARP system went live in September 1998, handling HR and payroll functions for approximately 20,000 employees of The Sabre Group and the American Eagle set of regional airlines. “Phase 1B” of the system went live in January 1999, adding in approximately 100,000 additional employees for AMR’s domestic US operations.
 - Designed and implemented programs used to perform daily automated updates of employee pay rates based on corporate policies and union contracts.
 - Developed programs to analyze and audit employee pay rates.
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- Implementation of R/3 version 3.1F for FI and CO modules for American Airlines and Canadian Airlines, March 1996 to September 1997.
 - Designed and implemented ABAP/4 conversion programs to load assets from legacy systems into SAP R/3, involving 90,000 assets worth \$20 Billion, for American Airlines and Canadian Airlines.
 - Designed and implemented ABAP/4 interface programs that daily submit email messages to managers of asset projects that exceed budget/timing constraints.
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- Systems Engineer - SHL Systemhouse, Toronto, Ontario, 1993 to 1996
 - Chief technical resource for a site running SAP R/3 2.2F on Oracle and Digital OSF/1; went live in September 1995.
 - Installation of SAP R/3 on Oracle and Digital OSF/1 (now called Compaq Tru64 Unix).
 - Designed and implemented the integration of a fax server to allow SAP R/3 sales price sheets to be faxed automatically to a group of customers using Omtools FaxSr and integration tools in Perl.
 - Management of R/3 print queues, including the creation of custom tools to insert signature bitmaps into sales documents.
 - Heavy involvement with CTS, system tuning, printer management, deployment of SAPGUI.

Education

- Master of Science in Systems Science
University of Ottawa, Ottawa, Canada
- Bachelor of Mathematics, Joint Honours (dual majors) Co-op Chartered Accountancy and Computer Science
University of Waterloo, Waterloo, Canada
- Was certified by SAP America as a “Certified ABAP/4 Consultant” in after taking the SAP R/3 Partner Academy program in ABAP/4 Programming.
- Linux Professional Institute Certifications
 - LPI 101 - General Linux I
 - LPI 102 - General Linux II

Activities:

- Treasurer of NTLug - North Texas Linux Users Group (<http://www.ntlug.org/>), 1999 to 2001.
- Member of DFWUUG -- Dallas/Fort Worth UNIX Users Group (<http://www.dfwuug.org/>) - 1996-2001
- Editor of the national newsletter of the Canadian Operational Research Society, (<http://www.cors.ca/>) the “CORS Bulletin,” 1994 to 1996.
- Member, Association for Computing Machinery (ACM) (<http://www.acm.org>) since 1986.

Publications

- Master’s Thesis: [Using Interior Point Methods to Solve the Multicommodity Network Flow Problem], accepted by the University of Ottawa.
- [Linux and Decentralized Development], published by the First Monday (<http://www.firstmonday.dk>) Internet-based peer-reviewed journal, March 1998.
- Review of [DocBook: The Definitive Guide], (http://www.dfwuug.org/newsletters/2000/newsletter_0003.html) for the DFW Unix User’s Group.
- Coauthor of the book [Professional Linux Programming], published by Wrox Press, ISBN 1861003013.
- Cotranslator from French into English of the book [Development d’ Applications avec Objectif CAML], 2001-2002.

- Coauthor of the book [Professional Open Source Web Services], published by Wrox Press, ISBN 1861007469.