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Profile

Emmanuel is a certified SAP consultant and author whose specialty is integrating SAP with external trading partners and internal business and data collection systems. He has a unique ability to design and develop end-to-end interfaces across SAP and middleware systems.

His 15 years of SAP experience include projects in four countries – the United States, Canada, Taiwan and Belgium – in the entertainment, metals, beverages, utility, and consumer goods manufacturing industries. Seven of these projects were full cycle.

Emmanuel has consistently played a dynamic leadership role in designing interface architecture and in developing strategies, programs, and workflows that helped ensure successful implementations. Key to this success is his belief that one of a consultant's prime responsibilities is to transfer knowledge to his clients and fellow consultants.

Publications

Architecting EDI with SAP IDocs, Bonn & Boston: SAP Press, 2009.

Configuring a SOAP Connection between XI and GIS, SAP Developers' Network, 2006.

Some Thoughts on EDI in an SAP XI Environment, SAP Developers' Network, 2005.

Configuring an SAP XI Interface using an Imported Java Mapping Class, SAP Developers' Network, 2005.

"Design of a Loosely Coupled Architecture to Manage Critical Business Data Flows at a Major Motion Picture Studio," in *Business Process Excellence: ARIS in Practice*, ed., A-W Scheer, F. Abolhassan, *et al.*, Berlin: Springer, 2004.

Professional Experience

SAP EDI Architect & Principal Developer, July 2007 – Present
THQ, Inc., Agoura Hills CA

Provided creative solutions for building and maintaining an internal GIS integration system in an SAP environment. Achievements include:

- Designed and built a tightly integrated end-to-end EDI system with clear visibility for all interfaces in SAP and GIS, reducing overtime for the EDI team and simplifying document tracing and trouble-shooting in both systems.
- Designed and developed status interfaces into SAP for outbound IDocs, including receipt of 997 acknowledgements.
- Designed and implemented an easy-to use archiving system for all EDI transmissions.
- Coded Custom ABAP tools to support SAP EDI system.

SAP EDI Architect & Developer, Nov 2005 – July 2007
Oxford Consulting Group, Columbus OH

Application development guru in a large volume, mission critical build of an SAP EDI system. Primary knowledge resource for interface technologies between SAP, GIS, SAP XI, EDI trading partners, and internal legacy systems. Two full cycle projects:

NBC Universal Home Entertainment. International – successful go-live April 2007 – and **Domestic** – successful go-live Oct 2006. Universal City CA. Highlights include:

Skills

SAP to ECC 6.0

Custom IDoc development and configuration for EDI and ALE including coding of IDoc functions and exits

ABAP programming across all modules including MM, PP, SD, FI/CO, HR, WM, PS, and Transportation

LSMW and data conversion and extract programming using IDocs, BAPIs, RFC functions and batch input

Master data distribution by ALE using IDocs and BAPIs

SAP PI/XI interface configuration and development for EDI and internal systems

Sterling Integrator (GIS) to version 5.0

SAPSuite adapter set-up for connecting to SAP

Workflow development – Business process modeling

Mapping, with custom code using XPath, Java objects and JDBC

Service and adapter configuration

Communications including AS2 and FTP set up

EDI (Electronic Data Interchange)

X12, EDIFACT and TRADACOMS

Transactions and messages include VMI, order to cash, finance, and procurement business processes

Generation of guidelines using EDIFICS SpecBuilder

- Design and development of a complex end-to-end inbound 820 payment advice EDI interface in GIS and SAP. Coordinated functional and technical resources, devised manual and automated procedures for handling extremely large transaction sets, and developed GIS maps, workflows, ABAP program design and specifications, and reconciliation procedures.
- Drove an off-shore mapping team delivering more than 40 EDIFACT, TRADACOMS, and X12 maps within a projected 8 week development timeframe.
- Worked with business managers, users and SAP consultants to collect requirements for custom ABAP and GIS programs, wrote technical specifications and supported developers, and built high-value, complex ABAP programs and customized IDocs.

Senior SAP Consultant, EDI and Internal Interfaces, Nov 2004 – Nov 2005
Prosum Consulting, El Segundo CA

NBC Universal Home Entertainment Domestic SAP implementation. Highlights include:

- Developed strategies for internal legacy and external EDI interfaces.
- Designed, developed, and configured EDI and custom interfaces in SAP, XI, GIS, including ABAP programs, communications adapters, IDoc customization and configuration, maps, and business process models.
- Helped evaluate and select integration tools and technologies including SAP XI, TIBCO, GIS, and Contivo Analyst.

Senior SAP ABAP Consultant, April 2000 – Nov 2004
IDS Scheer (formerly Plaut Consulting), Philadelphia PA

ABAP coach and team lead specializing in data conversion with LSMW, ALE master data distribution, and EDI development with the IDoc interface. Projects include:

Paramount Pictures Home Entertainment: Hollywood CA. Feb 2002 – Nov 2004. Full cycle project with successful go-live Mar 2004.

Allied Domecq Wines: Windsor ON, Healdsburg CA. June 2001 – Oct 2001. Successful go-live Oct 2001.

United States Pipe and Foundry: Birmingham AL. April 2000 – May 2001. Full cycle project with successful go-live April 2001.

Highlights include:

- Wrote technical strategies and provided technical support to business and project managers for data conversions, EDI and ALE interfaces, enhancements, reports, and forms.
- Gathered requirements and compiled and managed RICEF development lists.
- Designed and developed custom IDoc processing for such EDI messages as the 210 (freight invoice), 820 (payment advice), 846 (inventory balances), 850 (customer and vendor purchase orders), 852 (point of sales and weekly inventory), 855 (order acknowledgement), 856 (ship confirmation) and 867 (inventory).
- Trained and supported staff programmers in LSMW and ALE for data conversion, and in such other SAP technologies as ABAP, Data Dictionary, BDC recorder, CATT, and transport system.

Senior SAP ABAP Contract Consultant, Dec 1996 – Apr 2000
Bernhoff Consulting, Dallas TX

Integrated SAP with shop floor production and Kronos time and attendance data collection systems. Projects include:

Certifications

SAP ABAP

MySAP.com Workplace and B2B procurement

SAP Training

Exchange Infrastructure (PI/XI) implementation and operation

Portals 5.0 system admin, content, R3 unifier

MySAP.com Workplace and B2B procurement certification course

IDoc interface

SAPscript development

ABAP programming certification course

Other Training

Sterling Integrator

GIS 4.0 fundamentals

Administrating and tuning

EDI mapping and translation

Contivo (now Liaison Technologies)

Vocabulary management solution (mapping)

Mercator Software

Data mapping

Programming Tools

- ABAP
- Business Process Modeling, including some Aris Toolset
- Gentran mapping tool extended rules with JDBC and some Java
- XML, XPath, BPML, and some XSLT
- SQL
- MS Access and VBA
- HTML and CSS
- Contivo Mapping
- Some Javascript

RMI Titanium: Niles OH. SAP Hourly Payroll Integration Team Lead. Nov 1998 – Feb 2000. Full cycle project with successful go-live Sept 1999.

Balta Industries: St. Baafs en Vij, Belgium. ABAP Team Lead. Aug 1998 – Nov 1998.

Acme Metals Inc.: Chicago IL. July 1997 – Aug 1998. Shop Floor Data Collection and Integration Technical Team Lead. Full cycle project with successful go-live May 1998.

Hoechst Taiwan Ltd and Philips Electronics: Taipei, Taiwan. ABAP Lead and Mentor. Dec 1996 – June 1997.

Highlights include:

- Involved in project planning, assigned and monitored development tasks, identified and documented skills required for on-going system support, and knowledge transfer.
- Analyzed and documented legacy systems, wrote high-level and detailed designs for integration architecture between SAP and Kronos Time and Attendance and Epic production shop floor data collection systems.
- Wrote specifications for all interface programming, designed and developed all interface programs between SAP and Kronos, defined programming requirements for SAP Epic shop floor integration interfaces and supervised programming effort through all testing phases.
- Reverse engineered Kronos database and processing logic and redesigned Pay Code configuration to more closely match RMI business rules.

Senior SAP ABAP Consultant, Dec 1995 – Dec 1996

MCI (SHL) Systemhouse, Toronto ON

HR and data conversion programming, and Documentum-SAP Document Management team lead for an Ontario-wide project at was then the world's largest electrical utility. Project:

Ontario Hydro, Hydro Electric Business Unit (HBU): Toronto ON. Dec 1995 – Dec 1996. Full cycle project with successful go-live: Dec 1996. Highlights include:

- Analyzed database of Hydro's equipment hierarchies, developed extracts, and wrote custom ABAP data conversion programs, dramatically reducing time required to load equipment hierarchy master data into SAP.
- Wrote management level reports in HR Time and Attendance and Payroll detailing critical areas of employee costing
- Developed database application to manage SAP training for thousands of employees.

SAP Data Conversion Consultant Contractor, June 1994 – Dec 1995

Cott Beverages, Toronto ON

Full cycle project with successful go-live Oct 1995. Data conversion project technical team lead. Highlights include:

- Developed data conversion project plan, built and maintained user database to collect and maintain master data for conversion, including gap data not available in legacy.
- Helped determine naming conventions for beverage packaging materials and wrote code to generate product names based on the rules.

Education

1973 – 1977: Honors BA,
McGill University,
Montreal QC

1970 – 1972: Assoc. Degree
Vanier College
Montreal QC

Some non-SAP projects

1993: MS Access claims processing program for Canadian Actuarial Association to manage Workers' Comp cases for Ontario Teachers' Federation.

1992 – 1993: Workers Compensation Board of New Brunswick. Document imaging implementation for a 25-person Case Team.

1989: Ontario Gov't Task Force on Electronic Publishing. Management Board of Cabinet. Wrote, edited, and published the main report produced by the task force, aimed at advising government managers on electronic publishing issues.

References

Available on request