



**Kyle MacDonald**  
**SAP Sourcing/CLM/SRM Analyst/Consultant**

## **Professional Summary**

Kyle is a certified SAP consultant and an experienced Systems Analyst. He has over 12 years of collective SAP delivery experience in Sourcing/CLM, SRM and MM. He has extensive knowledge of the Source-to-Pay process and has delivered implementation, upgrade and enhancement projects to customers in Canada, the US and the Caribbean. Kyle is a team player and a strong proponent of software and delivery best practices. He excels in all phases of project delivery.

## **SAP Skill Set**

- Multiple full cycle implementations of SAP Sourcing/CLM (Versions 5.1 - 10.0) and Supplier Relationship Management (Versions 3.0 - 7.02) (SRM)
- Beanshell scripting in SAP Sourcing/CLM
- Extensive experience enhancing SAP functionality by using the Enhancement Framework, BADIs, ABAP modifications, Web Dynpro (ABAP) and user exits
- SAP CLM/Sourcing and SRM Workflow design and development
- SAP CLM/Sourcing, SRM and MM configuration
- Integrating SAP Sourcing with SAP ERP and SRM
- Multiple upgrades to SAP Sourcing/ CLM, SRM and ERP systems
- Extensive experience setting up security roles/profiles in Sourcing/ CLM, SRM and MM
- Configuration in SAP Process Integration (PI) Integration Builder and the SAP System Landscape directory
- Strong knowledge of ASAP Methodology and Certified in Solution Manager Implementation Tools
- Experience working closely with Operations (Basis) Team to understand SAP landscapes and system requirements
- Collision resolution for Support packs and Upgrades in SPAU and SPAU\_ENH in ECC SRM and PI
- Data migration using the SAP Legacy System Migration Workbench(LSMW) in ERP
- IDOC distribution using SAP's Application Link Enabling (ALE)

## **Professional Experience**

**Independent Consultant**  
**Lead SRM Consultant (Technical and Functional)**

**June 2014 – Present**

## **Telecommunications**

Lead SRM Consultant for a SRM 7 enhancement project (Classic Scenario). Responsibilities include design, system configuration and development.

Deliverables include:

- Design and develop a custom Web Dynpro application to upload shopping cart line items from a spreadsheet
- Design and develop process controlled workflow approval for Shopping Carts
- Multiple enhancements using BADIs and enhancement framework
- Development of backend ABAP reports for support audits and conversion activities
- Unit testing and documentation for all enhancements and fixes
- IMG Configuration
- Provide on-going tier 3 technical SRM support

**Independent Consultant**  
**Lead CLM Consultant (Technical and Functional)**  
**Agribusiness**

**March 2016 – November 2016**

Lead Consultant for a Sourcing/CLM 7.0 - 10.0 upgrade and enhancement project. Responsibilities include design, system configuration and development.

Deliverables include:

- Perform deployment tasks and retrofit existing custom functionality in the new version
- Beanshell scripting and workflow development
- Configure contract document workflow
- Design and coordinate the development of new enhancements using n10.0 functionality
- Security Profiles
- Documentation: Functional Specification and Technical Specification authoring
- User Interface customization using Extension Fields, and Page Customizations
- Migration using Workbooks, OMA/OML files, CSV files
- Perform demos of Sourcing/CLM functionality to client resources
- Created custom queries and reports
- Prepare and conduct end user training

**Independent Consultant**  
**Lead CLM Consultant**  
**Construction, Engineering and Mining Services**

**March 2014 – December 2015**

Lead Functional Consultant for a Sourcing/CLM 7.0 - 9.0 (2014) CLM 9.0 - 10.0 (2015) upgrades with integration to ERP 6 and SAP SRM 7 EHP 2. Responsibilities included design, system configuration, development, management of interfaces.

Deliverables include:

- Perform deployment tasks and retrofit existing custom functionality in the new version
- Implement the SAP Sourcing RFX module as part of the upgrade with custom SRM integration
- Configure contract document workflow
- Design and coordinate the development of new enhancements using 9.0 functionality
- Coordinate Basis, PI, and ABAP resources for ECC and SRM
- Security Profiles
- Documentation: Functional Specification and Technical Specification authoring
- User Interface customization using Extension Fields, and Page Customizations
- Migration using Workbooks, OMA/OML files, CSV files
- Perform demos of Sourcing/CLM functionality to client resources
- Created custom queries and reports
- Beanshell scripting

**Independent Consultant**  
**Lead Functional CLM Consultant**  
**Medical Robotics**

**March 2013 – March 2014**

Lead Functional Consultant for a CLM 9.0 implementation with custom integration to ECC, SAP CRM and NetSuite CRM. Responsibilities included blueprinting, design, system configuration, development, management of interfaces.

Deliverables include:

- Configured customized CLM sales based user interface
- Coordinate Basis, PI, and ABAP resources for ECC, CRM and NetSuite Integration
- Preparation and loading of Enterprise and Company Upgrade Workbooks
- Created custom Security Profiles
- Documentation: Blueprint, Functional Specification and Technical Specification authoring
- User Interface customization using Extension Fields, and Page Customizations
- Migration using Workbooks, OMA/OML files, CSV files
- Perform demos of Sourcing/CLM functionality to client resources
- Created custom queries and reports
- Beanshell scripting

**Independent Consultant**

**October 2012 – January 2013**

**Lead Functional Sourcing/CLM Consultant  
Pediatric Nutrition**

Lead Functional Consultant for a CLM/Sourcing 5.1 to CLM/Sourcing 7.0 upgrade with ECC 6.0 Integration. Responsibilities included system configuration, retrofitting custom enhancements and management of CLM/ECC integration.

Deliverables include:

- Perform Sourcing ECC integration configuration
- Coordinate Basis, PI and ABAP resources for ECC Integration
- Update custom queries for Sourcing/ 7.0 compatibility
- Create custom Theme
- Preparation and loading of Enterprise and Company Upgrade Workbooks
- Update custom Security Profiles
- Migration using Workbooks, OMA/OML files, CSV files
- Update Cluster and Directories
- Perform demos of Sourcing/CLM functionality to client resources
- User Interface customization using Extension Fields, and Page Customizations
- Working with development resources to define and test Beanshell scripting and Workflows

**Independent Consultant  
Functional/Technical Sourcing/CLM Consultant  
Insurance**

**October 2012 – January 2013**

Functional/Technical Consultant for a Sourcing/CLM 5.1 to Sourcing/CLM 9.0 upgrade and enhancement project. Responsibilities included system configuration, retrofitting custom enhancements and beanshell scripting.

Deliverables include:

- Perform demos of Sourcing/CLM functionality to client resources
- Create Custom workbench reports
- Custom Scripts for Master Agreements and Projects
- Update custom queries for Sourcing/CLM 9.0 compatibility
- Custom scripting for Master Agreements and Projects
- Create custom groups, document security templates
- Perform demos of Sourcing/CLM functionality to client resources
- User Interface customization using Extension Fields, and Page Customizations
- Create Custom workbench reports

**Independent Consultant  
Functional CLM Consultant  
Construction, Engineering and Mining Services**

**September 2011 – October 2012**

Lead Functional Consultant for a full cycle Implementation of SAP CLM 7.0 with SRM 7.0 and ECC 6.0 Integration. Responsibilities included system configuration, custom field definition, custom interface definition, scope definition, requirements definition, set up and management of CLM/ERP/SRM integration.

Deliverables included:

- Design and support of custom interfaces between SRM 7.0 and CLM 7.0 using SAP PI
- Set up standard integration between ECC 6.0 and CLM 7.0
- Preparation and loading of Enterprise and Company Workbooks and CSV files for system deployment and configuration
- Migration using Workbooks, OMA/OML files, CSV files
- Creation of Sourcing Context, Cluster and Directories as part of the initial system setup
- Mentorship and training to SI and client resources
- Live demos of CLM functionality to client resources
- Set up of Clauses, Sections and Templates with custom tokens for contract document generation
- Creation of User Defined Master Data
- User Interface customization using Extension Fields and Page Customizations
- Configured business rules as per client specific requirements
- Creation of functional specification documents and assistance to technical resources for the creation of technical specification documents
- Set up of Supplier Management with supplier collaboration for contract documents
- Working with development resources to define and test Beanshell scripting and Workflows

**Independent Consultant**  
**CLM/SRM Consultant**  
**Agribusiness**

**March 2012 – May 2012**

Provided guidance and support for CLM 2.0 to 7.0 and SRM 5.0 to 7.0 upgrades. Responsibilities included on-demand assistance and issue resolution in CLM and SRM during the upgrade process.

Deliverables included:

- Build and Deployment of CLM upgrade workbooks
- Enhancements to Queries and Reports
- Implementation and Customization of Global Search
- Migration using Workbooks, OMA/OML files, CSV files
- Mentorship and training to client resources
- Creation of custom Client Theme
- User Interface customization using Extension Fields, and Page Customizations using pre-existing tool and WYSIWYG editor

- Adjusted Workbench Templates
- Adjusted Security Profiles
- Addressed SRM upgrade collisions in SPAU
- Replace custom ABAP enhancements with new 7.0 functionality
- Working with development resources to define and test Beanshell scripting and Workflows

**Independent Consultant**

**December 2010 – June 2011**

**Lead Functional CLM Consultant**

**Telecommunications**

Lead Functional Consultant for a full cycle Implementation of SAP CLM with ERP Integration. Responsibilities included system configuration, custom field definition, scope definition, requirements definition, set up and management of CLM/ERP integration.

Deliverables included:

- Preparation and loading of Enterprise and Company Workbooks and CSV files for system deployment and configuration
- Environment migration using Workbooks, OMA/OML files, CSV files
- System Customization using Extension fields and Page Customizations (Buy-side and Sell-side)
- Applying Upgrade and Integration Workbooks
- Integration between R/3 4.7 and CLM 2.0
- Set up of clauses, sections and templates with custom tokens for contract document generation
- Blueprint, Technical/Functional specification documents
- Created customized Workbenches for user groups
- Configuration of customized contact types with customized phase definitions
- Configuration of customized Master Agreement Types
- Implemented system access using Class/Object level Security Profiles, Collaborator Roles, User Groups and Document Security Templates
- Set up of Supplier Management with supplier collaboration for contract documents
- Customizing mail templates and creating company level mail configurations
- Deployment of multi-Language system with standard language packs and localized resource entries for custom data
- Creation of a release authority approval matrix to control workflow approvals using Custom Master Data objects
- Working with development resources to define and test Beanshell scripting and Workflows
- Working with Operations to set up TREX document content searching

**CGI**

**July 2010 – December 2010**

**SAP CLM/Sourcing/SRM Consultant**

## **Public Utilities**

Lead functional SRM consultant for supply chain enhancement project including implementation of SRM 5.0 Bidding Engine integrated with ECC 6.0 and Enterprise Portal. Responsibilities included scope definition, blueprinting, developing technical specification documents, IMG configuration, testing and SRM team resource management.

Deliverables included:

- Configuration for Public and Restricted Bid Invitations (eRFx)
- Creation of Technical/Functional Spec documents
- Material and service replication from ECC 6 to SRM 5.0
- Set up of ECC to SRM Sourcing Cockpit integration for creation of external requirements for eRFx events.
- Creation of bid invitation templates to streamline eRFx creation process
- Definition of business requirements
- SRM and ECC IMG configuration
- Supplier Registration (ROS) configuration
- Definition of attribute Criteria for bid evaluation/award
- ERP SRM integration for suppliers and material master data
- Implementation of BADI's to control custom SRM content

**Agrium Inc.**

**April 2004- June 2010**

**SAP Systems Analyst (Sourcing/CLM, SRM and MM)**

### **Lead Functional Analyst, CLM Implementation (2008 – 2010)**

Functional Lead for a multiple departmental implementation of SAP CLM 2.0. Responsibilities included system configuration, custom field definition, legacy system data migration, managing project resources, scope definition, requirements definition, implementation and training. This 1.5 year engagement included four projects involving core system deployment and multiple unit roll out.

Deliverables included:

- Worked with business resources to define a company-wide initiative to streamline the use of SAP CLM across multiple departments
- Detailed Blueprint creation
- Completion of baseline configuration of the CLM system using the Enterprise and System accounts to define System Properties, Cluster, Contexts, Directories and Companies
- Configuration of Master Data using the company and enterprise Workbooks
- Configuration of Master Agreement and Templates
- Configuration of Extension Attributes to add additional required fields and collections to Vendors and Master Agreement types and templates

- Page customizations to hide fields, change field properties and replace labels
- Data migration from Legacy systems to E-sourcing using the Import Tools
- Worked closely with Operations/Basis team and SAP to define Landscape for on premise E-sourcing deployment
- Implemented Beanshell Java script definitions to perform field actions and custom checks in E-sourcing
- Deployed custom workbench functionality using Iframe configuration and desktop channels
- Implemented system access using Security Profiles, Collaborator Roles, User Groups and Document Security Templates
- Developed and conducted training sessions via classroom and virtual setting to end users across North America

### **Project Lead, SRM and PI Upgrade (2008 – 2009)**

Project Lead for a full cycle SRM 5.0 and PI (XI) for Netweaver 7.0 upgrade. Responsibilities included issue management, blue printing, and scenario design using SAP Solution Manager. Also responsible for scope definition, requirements definition, configuration, implementation, and full support services including training, documentation and roll out.

Deliverables included:

- Adjusted modified objects during collision resolution using SPAU, SPAU\_ENH and SPDD
- Reapplied modifications to SUS Business server pages after collision resolution
- Designed and developed a custom enhancement using BADIs and customer fields to present suppliers with an additional status including Purchase Order invoicing information
- Developed custom XML error reporting application to replace CCMS
- Implemented new invoice payment status check functionality
- Added customization to invoice payment status check for suppliers with head office vendors in ERP
- Developed custom enhancement using remote function calls and extension fields to include proposed tax on Purchase Order items
- Imported and configured updated content in the SAP Process Integration (PI/XI) Integration Builder
- Designed and developed SUS purchase order history report in ERP to allow buyers to easily monitor and investigate SUS purchase orders. Report used RFCs to SUS and IDOC history to accurately display the all transactional information

### **Functional Lead, SRM Implementation (2004-2007)**

Lead analyst for a full cycle implementation of the SUS-MM scenario using R/3 4.6c and SRM 4.0. Approached suppliers for 'buy in' on the adoption of Supplier Self-Services (SUS). Achieved corporate goal of 50% of material spend being processed through SUS during the project lifecycle, with subsequent post-project growth. Responsibilities included scope definition, requirements definition, configuration, implementation and full support services including training and



documentation.

Deliverables included:

- Configured SUS and EBP scenarios in the SRM IMG and R/3 IMG
- Configured SUS-MM and SUS-EBP scenarios in the PI (XI) Integration Builder
- Designed and implemented a custom RF(x) application in SRM-SUS based on Business Server Pages
- Configured Sourcing Cockpit and Bidding Engine
- Imported and Configured SRM scenario content in the SAP PI(XI) Integration Builder
- Implemented supplier self-registration functionality to allow supplier to self-register for SRM-SUS
- Analyzed company's purchasing process and available SRM functionality and determined best fit for SRM deployment
- Developed purchase order response exception handling in ERP using SAP workflow to handle price, quantity and delivery
- Designed and developed functionality to create one-time vendor functionality in SUS to respond to RFx and purchase orders
- Added indicators on SUS purchase document overview item table using BADIs and customer fields to notify supplier if item text, contracts or RFx data exists at the PO item level
- Enhanced invoice duplicate check to connect to ERP via RFC to ensure invoice numbers were not used previously by suppliers
- Added custom invoice tolerance (ERP purchase order check on items over delivery tolerance)
- Worked closely with Operations/Basis team to monitor and document system connection and user accounts for the SRM deployment

### **Analyst, R/3 4.6c to ECC 6.0 Upgrade (2006)**

Key member of project team for R/3 4.6c to ECC 6.0 upgrade focusing on interfacing ECC 6.0 with SRM 4.0 and XI (PI) 3.0.

Key responsibilities included:

- Updated configuration in PI Integration Builder to interface with updated IDOCs metadata and communication channels
- Delivered XML and IDoc interface changes between SRM 4.0 and XI 3.0 with ECC 6.0
- Adjusted modified MM objects during collision resolution using SPAU
- Enhanced purchase order response exception handling in ERP with new functionality provided by new PO update BAPIs released in ECC 6.0

### **Additional Project Work (2004 – 2010)**

- ERP MM configuration in Purchasing, Inventory Management and Logistics Invoice Verification for new company codes and plants created as a result of Greenfield investments for mergers and acquisitions
- Developed Key Performance Indicator Report in ERP to evaluate buyers based on defined purchasing measures
- Provided ongoing production support for ERP MM, CLM and SRM
- Configured SAP delivered content in Process Integration (PI) for SAP FSCM
- Developed a custom app for inventory discrepancy approval for ERP SOX compliance
- Participated in bi-annual application of SAP support packs to ERP, PI and SRM

### **Education / Certification**

Bachelor of Information Systems - St. Francis Xavier University, Antigonish, Nova Scotia

General Management Certificate - University of Calgary, Calgary, Alberta

SAP Solution Manager Certification (C\_SMI310\_06), SAP Education (2008)