

# Kevin Melanson

Ottawa, Ontario  
Mobile: 613-558-3501  
E-mail: [kevinmelanson@hotmail.ca](mailto:kevinmelanson@hotmail.ca)

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## Summary

- Certified in ABAP with SAP NetWeaver 7.50
- Experienced SAP/ABAP Developer (24 years)
- Extensive knowledge of the SAP/ABAP development environment (ABAP Dictionary, Debugger, Object Oriented Programming)
- Knowledge of Fiori, UI5, CDS Views, and OData services on SAP S/4HANA (recently took 2 SAP courses)
- Currently updating my skillset through online learning and tutorials with SAP BTP, Eclipse, and ABAP Development Tools (ADT)
- Hard working, reliable, thorough, and eager to explore new technologies/challenges

## Language Skills

- Bilingual (English & French – BBC) (Jan 2013)

## Security Clearance

- Secret (granted May 2021)

## Technical Skills

### Programming Languages:

- SAP ABAP
- SAP Javascript/Java (beginner)
- HTML (beginner)

### SAP Modules:

- FI, FM, MM, PS, CO, HR, SD
- TRM, CRM

### Software:

- SAP 7.50, 7.40, 7.31, 7.03, 4.7, 4.6C, 4.0B, 3.1H
- Microsoft 365, Office 2013, and previous versions

### Operating Systems:

- Windows 10 and previous versions
- Unix

## Work Experience

TREASURY BOARD OF CANADA SECRETARIAT – OFFICE OF THE CONTROLLER GENERAL,  
Ottawa, ON

### SAP Development Consultant

September 2017 – September 2021

- provide SAP development services to CAC-SS Team
- update incident tracking system (IRIS) with status/progress
- create supporting technical documentation for larger development changes – store Technical Documents in GCDocs and add a link in the incident tracking system (IRIS)
- create detailed knowledge transfer documents
- apply/implement SAP Notes as required using SNOTE
- built, tested, documented, and implemented an e-Billing application using ABAP Web Dynpro/web service. This custom wrapper program allows users to create Customer Statements or Invoices with the option to either print or send them via email. It also allows the user to add GOS FI Document attachments to the email
- made several updates/fixes to a new custom ABAP 'Interface File Explorer' tool in the SAP Business Suite on HANA, within the CAC-SS Team
- re-implemented the custom ABAP 'Interface File Explorer' tool, in the GCFM S/4 HANA system/project
- updated common custom programs for onboarding of new clients, to do a lookup in new custom tables instead of hard coding changes (IF company code is ..., then use GL ...). This way, when new clients are onboarded, development is no longer required for these programs, and entries can simply be added to the tables instead.
- updated Acquisition Card program/application for implementation of the new National Bank MasterCard - created implicit enhancement to pass card type as a parameter, to function module being called in CRO1 config (used in transaction CRF1)

- added GOS (Generic Object Service) FI document attachment list option to the ALV table in FBL1-5N transactions, using implicit enhancements
- disabled 'Create Attachment' option in GOS menu of PO and Accounting Document screens, using a BADI implementation
- enhanced/added option to FSA Org Chart report to display output as ALV tree instead of Hierarchy Graphic Nodes, which can't be displayed in SAPGui for HTML (WEBGUI)
- built Customer Master Extract by copying existing Vendor Master Extract, modifying the logical database used, and updating code for customers
- fixed SPS Payment Authorization (SPSA) process not working with server JAR file – the file was failing approval at Receiver General (RG) due to amounts not being filled in correctly in file signature, for SPSA - fixed variable mapping issue between programs
- modified SPS Payment Authorization process, so that the EAA/myKey Authorization occurs before the clearing document is created/posted
- fixed Cancel issue in SPS Payment Authorization application– payment couldn't be reloaded after user pressed Cancel on EAA/myKey Authorization popup
- in customer statement/FI-AR Invoice SAPscripts, updated code to get logo department name and texts from standard texts in customizing table T001G used in transaction OBB1, instead of hard coding (IF company code is ..., use graphic/text ...)
- updated SD invoice (Smartform) to get logo graphic name based on company code
- during upgrade from ECC EHP7 to EHP8/SAP Business Suite on HANA/Cloud, performed SPDD/SPAU tasks such as analysis, reset objects, adopting changes, and implementing changes manually
- fixed/tested development issues that came up during EHP8/HANA Upgrade testing (on new EHP8/HANA cloud system)
- provided support to FMT BASIS team during EHP8/HANA Upgrade when they encountered development object issues
- as part of the upgrade, added missing 'ORDER BY PRIMARY KEY' or Sort statements to custom objects, based on Code Inspector results. This issue was flagged during testing (eg. incorrect order of data in tables)
- updated common programs for onboarding of new clients (NFB, LDC, NSICOP, MGERC, etc)
- updated common forms for new client onboardings: FI Invoice (SAPscript), SD Invoice (Smart Form), Customer Statement (SAPscript), Purchase Order (SAPscript)
- implemented BADI enhancement to add additional authorization checks on HR transactions such as PPOME, PPOSE
- created enhancements to add additional fields to PO History report ME3N
- built/tested Project System (PS) Planning and Budget Upload program, a new PS module implemented for new client (NFB)
- built/tested PS Project Template Upload program for NFB, using ABAP Objects/ Object Oriented Programming
- built/tested NFB.ca/McIntyre Interface to upload sales data into SD Sales Orders for NFB, using ABAP Objects/ Object Oriented Programming
- built/tested Royalties report to display royalties due based on sales, for NFB
- built/tested PS Costs Overview using logical database PSJ, with dual view (standard ALV view and Tree/Hierarchy view), using ABAP Objects/ Object Oriented Programming
- modified Bill Payment Service Interface/Correction Facility with TBS requirements for first Go-Live use
- helped implement DFATD/DFAIT Financial Signing Authority (FSA) solution at TBS - made changes/customized FSA Web Dynpro application/web service/reports
- added additional screen to front of existing FSA Web Dynpro application, to allow user to select company code; add authorization check based on company code
- updated FSA card (Adobe Form) to be bilingual
- as part of the P2P Project (Procurement/Purchase Orders), assisted part-time workflow consultant with analysis/debugging of workflow issues (looking at workflow logs, tasks, restarting workflows, etc), and with making changes in workflow code when required
- added additional fields/tables to NFB extract to be used for reporting in their own system

## PUBLIC WORKS AND GOVERNMENT SERVICES CANADA – SIGMA (CHIEF INFORMATION OFFICER BRANCH), Ottawa, ON

### SAP Developer

**December 2014 – June 2017**

- provided SAP development services to IFMS
- built/tested Bill Payment Service interface with Receiver General to receive customer payments and update their accounts via the post accounting document BAPI

- built Bill Payment Service Correction Facility using an editable ALV to allow the user to update error data received in the file, and re-process the entry, using ABAP Objects/ Object Oriented Programming
- built Disclosure of Contracting Data reports (Quarterly & Annual) for the Open Government Portal
- updated/fixed issues with Government tax forms (T1204, RL-1, T4A, T4A-NR)
- fixed/enhanced email functionality in the Financial Signing Authority (FSA)
- updated FSA program to create new FSA attachments (BDN documents) using a new doc type (ZZFSA\_ATT) so that they could have a bilingual doc type/description, and built a utility program to update the pre-existing documents
- performed SPAU for ECC Enhancement Pack 6 upgrade at IFMS (from EHP3)
- provided development guidance to fellow colleagues
- created supporting technical documentation for all development changes – added them to GCDocs and in the Solution Manager incident, added a URL attachment that points to the GCDocs Technical Document
- used SAP Solution Manager to track SAP incidents, as well as for transport management

## PUBLIC WORKS AND GOVERNMENT SERVICES CANADA – IFMS PROGRAM OFFICE (ISB), Ottawa, ON

### SAP Developer

**April 2012 – December 2014**

- enhanced the IFMS delivered Purchase Order (PO) to include a new custom tab “Customer Data” containing many new fields (different fields would appear depending on doc type, mainly new fields for Temp Help (TH) doc type)
- modified PO output (SAPscript/program): changed delivery address logic, added new Customer Data tab fields and Terms & Conditions, moved fields around, and other changes
- modified/added/tested new fields to ZZTR screen (PO enhancement)
- performed ABAP code changes on interfaces, reports, and enhancements with programs Salary Forecasting Tool (SFT) application.
- delegated work to fellow developers
- added functionality to the ‘Standardized Credit Card Conversion for the SAP Acquisition Card sub-system’ program to work with files on a Unix or Windows server
- added email notification enhancement and BDC userexit enhancement to many of our interfaces at IFMS
- fixed locking issue for different company codes, in SFT Employee Maintain application
- applied OSS Notes upon functional team requests
- applied OSS Note to fix ABAP workbench navigation issue
- created a partial prototype of Financial Signing Authority (FSA) application using a mini HR org structure, customized infotype, and workflow
- used SAP Solution Manager to track SAP incidents, as well as for transport management
- configured Solution Manager to add custom fields/values

## BANK OF CANADA - ERP Services, Ottawa, ON

### SAP/ABAP Developer

**October 2004 – December 2011, July 2012 - March 2016**

- performed code changes, created new reports, interfaces, enhancements using ABAP, Web Dynpro ABAP, Adobe Forms, and Java
- created a custom HR infotype to hold Event data (for pension interface)
- created a data load (LSMW) for loading HR rate keys to be used in employee benefits interface
- worked with Smart Forms, SAPscript, XSLT/XML transformations, authorizations, external system commands, standard translation environment, class methods, function modules, BADIs, BAPIs
- rebuilt/tested the employee ‘Monthly Absence/Attendance’ report front-end in Web Dynpro ABAP and Adobe Forms (portal – page, iview, web service)
- redesigned Monthly Absence/Attendance backend logic into object-oriented classes/methods
- main contact person for the Bank’s custom SAP Interface Architecture
- created an outbound interface to automate sending emails in a secure external webmail environment; modified Interface Architecture to work for outgoing files; made authorization changes to give client, and ERP team access to run the interface in Production, and access to interface folders, logs, etc.
- built/made changes to/tested many interfaces using the Bank of Canada’s custom SAP Interface Architecture
- updated texts and translations for the portal ESS - Conflict of Interest pages - this was done in the Java development environment - SAP NetWeaver Developer Studio
- member of the Total Compensation Implementation (TCI) project team - worked on the portal ESS - Compensation Statement (Web Dynpro ABAP, Adobe Forms, web service), as well as other TCI ABAP reports and BADI's
- created a sub-Workflow for ESS portal course enrolment (Training & Events Management)

- helped out functional workflow team member with workflow issues, analysis/debugging, looking at logs, modifying workflow code as required
- made many changes to the Pension & Benefits interfaces; also part of the RFP process for renewal of pension/benefits provider
- updated Accounts Payable cheques/cheque stubs with client requests (ABAP, SAPscript)
- worked on conversion of Purchase Order print out, from SAPscript to Smart Forms
- made changes to Single Sign-on code because of RSA server upgrades
- responsible for assessing/making changes required for SPAU during the Support Pack updates, and during the Upgrade to ECC 6.0; created supporting documentation
- part of Queue Manager rotation and respond to tickets: call clients, update tickets, reassign/action/resolve tickets
- made code changes to/tested all custom programs that were not Unicode compliant
- built a program/application that sent email notifications with PDF attachment to employees, to advise them when their Travel Expense Reimbursements had been deposited into their account
- performed analysis, and gave estimates on future work objects to assess workload per release
- updated ABAP status spreadsheet for SAP team lead to see status of objects being worked on by ABAP team
- mentored more junior resources, delegated work objects, mentored/aided a colleague with a visual impairment
- enhanced SAP delivered HR infotypes
- part of upgrade team (4.6 to 4.7) – responsible for assessing all custom objects in 4.6 and ensuring that they exist and function correctly in 4.7 – made any required ABAP changes
- dealt mainly with HR, FI, CO, MM modules
- followed change management procedures – create/update Transport sheets, update Release sheet, and update the CRS database with what ABAP changes were made, and to what objects (technical documentation)

## PROJET PROVINCIAL SAP DU REGROUPEMENT DE CONSEILS SCOLAIRES DE LANGUE FRANÇAISE DE L'ONTARIO, Ottawa, ON

### ABAP Developer

**March 2004, June 2004 – Aug 2005**

- created quota/absence/attendance (HR) reports in ABAP, outputting report data in ALV format, producing individual employee reports using SAP Smart Forms, and an address label file in text format
- modified output of miscellaneous HR/FI reports / fixed data issues
- added code to custom query (info set) to retrieve other HR data
- created a BDC program to upload data from an Excel spreadsheet to create vendor/client invoices in SAP
- added a new field to the CATS → 2001/2 Info type record interface
- created supporting documentation
- performed ABAP modifications to programs, function modules, and user exits

## ACCENTURE, Ottawa, ON

### ABAP Developer / CRM - Internet Sales Support

**October 1998 to August 2003**

- performed ABAP modifications to function modules, programs/reports/interfaces, BADI methods, and user exits
- primarily dealt with SD, CRM, and HR modules
- supported SAP CRM 2.0 & 3.0 - Internet Sales
- performed development work/analysis for the Authorized User (of contracts) enhancement to the On-Line Business Centre (customized CRM - Internet Sales)
- experienced with HTML, Business HTML, Flow Logic, and JavaScript (CRM v2.0)
- made changes to custom HTML forms, modified graphics and uploaded them into CRM
- provided on-call support during off hours
- created knowledge transfer documents/shared knowledge with new team members
- provided PC technical / LAN support to fellow peers
- as part of the SAP Technical Team, set up printers in SAP and UniQ (print management system), resolved printer related problems, maintained the batch job run books, created procedural documentation for job failures/maintenance, supported SAP interfaces in and out of the system
- supported an SAP 4.0B Retail implementation including an FI, SD, and MM module
- performed SAP code fixes to resolve production problems
- created BDC programs for uploading data/conversion
- created forms/layout sets using SAPscript
- created technical designs for ABAP programs to be written

**Y2K Programmer Analyst**

January 1998 to September 1998

- learned many concepts regarding the Accenture Development Methodology, with the Year 2000 project
- performed Year 2000 system testing within the National Time and Attendance (NTA) application written with COBOL and Pro COBOL, running on a VAX VMS / ORACLE 7 environment
- performed Year 2000 code changes in C and Pro C modules within the Sortation Data Management (SDM) application, and created supporting documentation for the changes, followed by performing unit and system tests for the repairs made to the SDM application
- obtained experience with VAX VMS Operating System, VAX Debugging environment, ORACLE database environment, and KEA! Attachmate 420

**DEPARTMENT OF NATIONAL DEFENCE, Ottawa, ON****Computer Systems Level 1 (2 Co-op terms + Part-time time between terms)      Sept. 1996 to December 1997**

- performed client support for users on a Novell NetWare 4.11 LAN using GroupWise 5.1
- provided software, hardware, and network troubleshooting support to over 1400 PC users within a Banyan Vines Wide Area Network
- duties included rollout of Windows 95, Microsoft Office 97, Reachout and other standard software to over 1400 users
- this rollout also involved installation of many new PCs, and several hardware upgrades
- performed PC staging: hardware upgrades such as changing motherboards and hard drives, and software installation
- technical support involved installation and configuration of new PC's and peripherals
- aided in the roll-out of MS Office 4.3 (PC optimization, and hardware/software standardization, were also performed)

**HUMAN RESOURCES DEVELOPMENT CANADA, Hull, QC****Informatics Specialist - Co-op Term****January to April 1996**

- assisted in providing informatics services to the offices of the Ministers
- installed hardware items (hard drives, memory, power supplies, etc.) and software items (various Windows versions, DOS, MSOffice, etc.)

**Education**

- Algonquin College of Applied Arts and Technology, Ottawa, Ontario  
**Computer Technology – Computing Science** (Co-op, 3.5 year diploma), 1994-1997  
Date of graduation: **December 1997**

**Certification**

- SAP Certified Development Associate – ABAP with SAP NetWeaver 7.50 (2019)

**Training/Professional Development**

- SAP - ABAP Programming for SAP HANA (HA400, 3 days - 2022)
- SAP - Introduction to Application Programming on SAP S/4HANA (S4DEV, 3 days - 2021)
- SAP - TechEd (conference, 2-4 days - 2022, 2021, 2012, 2009, 2007, 2005)
- SAP - Advanced Web Dynpro for ABAP (NET311, 4 days - 2015)
- SAP NetWeaver Portal – Development (EP120, 3 days - 2015)
- SAP - Advanced ABAP (BC402, 5 days - 2014)
- ITIL Foundations Certification (ITIL 2011, 3 days - 2013)
- SAP - Advanced Web Dynpro for ABAP (NET311, 3 days - 2011)
- SAP - Fundamentals of Web Dynpro for ABAP (NET310, 5 days - 2010)
- SAP - Workflow (taught in-house BoC by SAP consultant, 4 days - 2009)
- SAP - Java Web Dynpro Basics (JA310, 5 days - 2008)
- SAP - Authorizations (taught in-house BoC by SAP consultant, 3 days - 2008)
- Learning Tree – Java Programming Comprehensive (471, 4 days - 2008)
- SAP - Reporting and Analytics (Conference, 4 days - 2006)
- SAP - ABAP Objects (BC401, 5 days - 2005)
- SAP - ABAP Workbench - Transaction Programming (BC410, 5 days)
- SAP - Advanced ABAP Programming (BC411, 5 days)
- SAP - Engagement Readiness - ABAP Programming/EBS Overview (Accenture in-house, 3.5 weeks - 1998)
- VAX VMS course (5 days - 1998)