Simon Li
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Profile

I am a certified SAP development & solution consultant with over 18 years' experience on SAP technologies. As being a fast and strong learner, I have always been chasing the top-notch technologies and putting them into practice. I have an extensive hands-on experience in ABAP, ABAP OO, BW, Smart forms, Adobe Forms, SAPScript, Web Dynpro, CDS Entities, AMDP, HANA View, SAP HANA SQL, Cloud Platform, Fiori, UI5, Screen Personas, BOPF, BRF+, OData/Restful, BOBJ, BODS, Workflow, LSMW, HANA DB/Engine, Oracle. For many years of practice, I have obtained great experience and knowledge on full stack web technology: Blockchain, NoSQL Databases, MySQL, GraphQL, CosmosSQL, Apache/Nginx/Flask, NodeJS, Python, Java, C/C++, Rust, ReactJS, AngularJS, Redux, jQuery, JavaScript, XML, JSON, HTML5, Docker, Docker Compose on Unix/Linux, AWS, Azure & DigitalOcean

I have been engaged at Globe and Mail in multiple highly complex projects where I completed all of my work successfully in timely fashion. My most recent development work comprises projects in Salesforce Integration SAP API Build, SAP HANA migration from ECC, In-browser Tokenization, and Delego Payment Solution as mentioned in my professional experience section.

Core Competencies: IS Media, FICA, FICO, SD, HCM, BRF+, POPF, ECC on HANA, BW on HANA, BW/4HANA, SLT, PCI DSS, Solution Manager, Modeling with CDS, HANA Calculation Views & BW/4 HANA, In-Memory/Column DB & SQL Script

Development Methodology Experience: SDLC, DevOps, Design Thinking, Waterfall, Agile, Scrum, Kanban, JIRA, Trello

ABAP QA Experience: ABAP Test Cockpit (ATC), TDD, ABAP Unit Test, Code Inspector(SCI)

Knowledge: BPMN, SAP S/4 HANA, SAP Floorplan Manager, SAP Mobile Solution, SAP C4C, SAP SuccessFactors, SAP Data Hub, Kubernetes, PI/PO

SAP OLTP System Experiences: SAP ERP, mySAP ERP, SAP ECC(6.0), SAP ECC(7.5), SAP ECC on HANA, HANA 2.0 XSA/HDI

SAP OLAP System Experiences: BW2.x, BW3.x, BW7.4, BW on HANA, BW/4 HANA; BPC 6.0, BPC 10.0, BPC 11 on BW/4 HHANA, HANA 2.0/HDI

Professional Development

SAP Development Consultant

Issued 2003, Credential ID 0002648852

Solution Consultant mySAP BI - Business Warehouse(BW)
Issued Jun 2004, Credential ID 0002648852

SAS Certified Advanced Programmer for SAS 9
Issued Dec 2013, Credential ID AP008028v9

Sun Certified Java Programmer (SCJP)
Issued July 2001, Sun Microsystems

My SAP Certificates/Badges (50+) shared on
https://drive.google.com/drive/folders/0B7z76BY3-vbEfkhUZVZobHFESDYwWXB6dmt2M2ZER1hFOUJ3bmVWZF8xV2R5Q3J6SU1xNHM?usp=sharing

My GitHub Repositories
https://github.com/shaw1236?tab=repositories

Professional Experience

Tech Lead
Linkgear Foundation, Forefront Blockchain
Nov 2019 -
1. Create APIs for App iXinBuy
2. Build integration APIs with Blockchain
3. Maintain web/database services

Tooling: Nginx/Apache, SAP CDS, OData/Restful, MySQL, MongoDB, Nodejs, Rust, Docker, Redux, ReactJS, GraphQL, AngularJS, Ethereum, Hyperledger Indy, Azure, Amazon, DigitalOcean

Sr. SAP Lead Developer/BI Analyst/System Analyst
The Globe and Mail
Sep 2001 – Oct 2019

Major Projects in Globe

Full Life Cycle Implementations: Advertising SAP System 2002 - 2003, Circulation SAP System 2005 to 2006, HR SAP System 2005, BW System 2002/2005

Major Upgrades/Migrations: IS Media 4.1 to 4.2, ERP to ECC, ECC to ECC on HANA, BW3.5 to BW7.4 on HANA, BW/4 HANA
1. Be a lead developer for system data dictionary adjustment
2. Reviewed and applied the code resetting/merging and sap notes

Tooling: SPDD, DDIC, SPAU, ABAP, SAP Standard Modification and Note adjustment

SAP to Salesforce API build (Nov 2018 - Oct 2019)

1. Built SAP APIs for Salesforce requests – subscription BP/order creation, complaint creation, termination creation, suspension creation/change, payment change, order unlimited change, address management
2. Created conversion CDS views, function modules, programs, OData for exporting the system data

Tooling: ABAP OO, AMDP, BDC, BAPI, RFC, CDS Views, HANA View, External View, HANA SQL, OData/Restful, BOPF, JSON, ADT, ATC

Advertising System HANA Migration (Apr 2019 - Jul 2019)
1. Adapt custom reports, user exits, BAdI, BAPI, enhancement spots
2. Corrected report sortation as per SAP Hana
3. Tuned FI reports by removing the aggregations
4. Revised the invoices printing programs by pushing down the big volume data to HDB

Tooling: ABAP, ABAP OO, CDS View, AMDP, HANA SQL, ADT

ZKAT Solution & Quebec Auditing (Apr 2019 - Jun 2019)
1. Created custom dataset/query to handle Single Copy FI reconciliation
2. Built multiple customer views/reports and BW extractors
3. Created BW Composite Provides, ADSO and Open CDS Views to export the data as per Quebec Government auditing request

Tooling: ABAP, CDS View, BW Data Source, CompositeProvider, ADSO, Open CDS View, Open Hub Service, File, HANA Calculation View, External View, ATC

Delego Payment Solution Implementation (May 2018 - Nov 2018)
1. Adapt Delego appending structure and tokenization API function
2. Added manual payment authorization process to SAP Process Credit Card Lot
3. Created custom settlement response report for payment card categorization and posting
4. Added PayPal, Apple Pay support to the settlement
5. Created queries for FI reconciliation, inquiry.

Tooling: ABAP, ABAP OO, DDIC, Dynpro, User Exit, Enhancement Spot, BDC, PCI DSS, File

MyAccount Implementation (Sep 2018 - Nov 2018)
1. Built an SAP Web Service for querying the business partner, order, and payment data
2. Created an Web Service from custom pricing rule

Tooling: ABAP, BAPI, RFC, Web Service, JSON, SOAP, OData/Restful, BOPF, JSON, ATC

CRM/Survey Events (Nov 2017 – Aug 2018)
1. Programed the event generation methods
2. Built the business services & CDS views to export the event data to AWS S3 Data Lake
3. Exposed the event data as service API

Tooling: ABAP OO, AWS S3, BAdI, OData/Restful, CDS View, External View, HANA View

In-Browser Tokenization (Mar, 2018 - Oct 2018)
1. Implemented PCI Data Security Standard solution to standard SAP screens/transactions.
2. Created the credit card conversion process to tokenize the legacy card data.

3. Built Card/Token page and real time tokenization APIs

Tooling: ABAP OO, Dynpro, Web Service, JavaScript, jQuery, PCI DSS, Java, Beanstream

Campaign Framework (Apr 2018 - Sep 2018)
1. Built campaign workbench to maintain the template offer and pricing for Globe web campaign
2. Created Review App to review the campaign offer data and business services to Web
3. Wrote Web service APIs for customer/subscription creation
4. Created campaign pricing CDS Views as ODP data sources for BW
5. Built BW Open ODS Views/CompositeProvider for campaign analysis
6. Created OData/Restful service and Fiori App to check the campaign results

Tooling: ABAP, ABAP OO, View Cluster, CDS View, AMDP, RFC, BAPI, ALV, Web Service, SOAP, BW/4 HANA, ODP, CDS Data Source, OODS, HCPR, OData, Gateway Service, SAP Cloud Platform, Fiori, MTA Project, HTML5, Fiori Site Module

Web UReg Profile APIs (Jan 2018 - Apr 2018)
1. Created a Web Service for providing customer profile to Web UReg
2. Built a Web Service to validate/apply the request for credit card change from Web UReg

Tooling: ABAP, SAP Web Service, BAPI, RFC, PCI DSS, CDS View, AMDP

SAP BW/4 HANA Migration (Sep 2017 - Mar 2018)
1. Released data sources to ODP and replaced extractors with ODS data sources
2. Converted customer variables exit to a class-based enhancement spot as BW/4HANA
3. Deeply involved the conversion of customer DSO/Cube to ADSO InfoSet/MultiProvider to CompositeProvider as per BW/4HANA prerequisite.
4. Simplified globe BW LSA++ by removing unnecessary objects and data layers and replacing ECC data replication with Open ODS Views
5. Optimized the DTP procedure of globe "event" with AMDP "push-down"

Tooling: ABAP OO, ODP, CDS View, SLT, Enhancement Spot, BW Modeling, ADSO, CompositeProvider, DTP, AMDP, Open ODS View

SAP HAHA Migration & Code Remediation (Jul 2017- Mar 2018)
1. Adjusted custom reports/functions, user exits, Enhancement spots as per SAP HANA
2. Tuned FI reports by removing the aggregations
3. Revised MSD invoices printing programs by pushing down the big volume data to HDB
4. Adopt ABAP Test Cockpit(ATC) and ABAP Unit

Tooling: ABAP, ABAP OO, AMDP, HANA SQL, ABAP Unit, ABAP Test Cockpit, ADT

Credit Order Approval App (Nov 2017 - Jan 2018)
1. Created Credit Order OData Service and Approval function import
2. Built a Fiori app for Credit Order Approval

Tooling: SAP Gateway Service, OData/Rest, ABAP OO, Fiori, Fiori Launchpad, SAP UI5, Web   IDE, Git, SAP Cloud Platform, Workflow

Globe Paywall Pricing Rule (Sep 2017 - Dec 2017)
1. Built paywall pricing rule

2. Enhanced the rule class
3. Provided an interface services

Tooling: ABAP OO, BRF+ Application Exit Class, Web Service, BOPF, BRF+

Marketing Survey Data Source (Oct 2016 - Jan 2017)
1. Created Survey output class from BW data: Partner, Order, Billing and other sources
2. Provided BW data to the Survey database.

Tooling: BW on HANA, ABAP OO, ADSO, Open Hub Service, Oracle, File

Tokenization (Mar 2015 - Mar 2016)
1. Replaced the credit card numbers with Beanstream custom codes
2. Created a conversion program for converting all existing card numbers in the whole system to the tokens
3. Built real time API for ongoing card tokenization
4. Upgraded FI invoice & e-billing transferring method from ftp to sftp and ftps

Tooling: ABAP, File, Payment, LSMW, BDC, PCI DSS, Java, JScape, sftp, ftps, lftp

Vacation Stop (Jan 2015 - Mar 2015)
1. Enhancement SAP standard order/item GUI status
2. Injected the redirection coding to standard order saving
3. Applied the vacation stop logic to Web interface

Tooling: ABAP, User Exit, BAdI, Enhancement spot, Screen Paint, GUI Status

BW Upgrade SAP BW on HANA (Sep 2014 - Nov 2014)
1. Converted globe cubes of "BDS Rev" and "Classified Rev" to HANA-optimized cubes for significantly better performance gain
2. Migrated globe "Revenue Tracking" MultiProvider to a CompositeProvider
3. Enhanced globe LSA structure by removing unnecessary objects
4. Converted globe InfoSpoke for exporting CRM Revenue to an Open Hub Destination.
5. Built "Online Revenue Tracking" CompositeProvider, data source, ADSO, transformation, DTP, process chain, etc.

Tooling: SAP HANA Studio, BW Modeling, RSA1, Open Hub Service, InfoSpoke, Open Hub Destination, ABAP OO

Advertising A/R Printing Migration from SAPScript to Smart forms (Apr 2014 - Jun 2014)
1. Built smart forms for Invoices, Credit Notes, Statements to replace old Formscape forms
2. Created standard alone printing programs to preview, print and output new forms
3. Hooked the new forms to sap output process of order and billing

Tooling: ABAP, Smart forms, SAPScript, ftps, lftp, SAP Output Process, Report2Web, File

Customer Retention Project(Jun 2013 - Aug 2013)
1. Created the retention categories drop-down function

2. Extended standard Order-item display and process
3. Applied the retention selection for order pricing

Tooling: User Exit, Screen PAI/PBO, SAP Hierarchy ALV, ABAP OO

Globe Pricing Strategy Project (Mar 2013 - Jun 2013)
1. Wrote Outbound Interface for exporting pricing data
2. Built Inbound Interface for importing suggested pricing batch
3. Maintained pricing batch data and log
4. Applied the suggested pricing into offer creation

Tooling: ABAP, ABAP OO, File, CIC, ALV, BOR. BAdI

BW Order Status Tracking Solution(Feb 2012 – Jun 2012)
1. Wrote an order status tracking program to track each order status change
2. Create a data source and function extractor on OLTP system
3. Built order status DSO, transformation and DTP
4. Created InfoPackage and BEx query to verify the order status

Tooling: ABAP, ABAP OO, BW Data Source, Extractor, DSO, DTP, Info Object, BEx Query

A/P Vendor Master & Cheque Enhancement (Apr 2012 - May 2012)
1. Enhancing Vendor master screen by adding some control fields
2. Created globe A/P cheque forms of CAD and USD
3. Hooked the new cheque printing to SAP auto payment run
4. Wrote a cheque re-printing program for testing and validation

Tooling: ABAP, Enhancement Spot, Smart forms, Local/foreign Cheque

Fixed Asset Importing (Jan 2012 - Mar 2012)
1. Created custom interface to upload the fixed asset data from local files to SAP
2. Wrote customer reports for showing the fixed assets

Tooling: ABAP, LSMW, BDC, file processing, Excel files, flat files, ALV.

Financial Care Center Process Centre (ZFCCPC) (Jan 2011 - Jul 2011)
1. Built workbench for FI Care Center so that FI people can do all their daily tasks in one central place including one-time payment creating, payment entering, posting, querying
2. *Rewrote the business logic to various FICA events*.
3. Extended the authorization and functionality

Tooling: ABAP, BDC, Events, SAP Screen, Payment & Posting, Workflow

Shipping Document Work Center (Nov 2009 - Mar 2010)
1. Created a workbench to review the daily truck unload points
2. Added shipping document printing

Tooling: ABAP, Hierarchy ALV, Delivery, Shipping, DVS checking, SAPScript, sftp

MSD Invoice/Receipt Work Center (May 2009 - Nov 2009)
1. Built MSD invoice forms for Chain, Direct, Memo, Settlement and Home delivery,

2. Built the receipt form for customer billing
3. Created print programs to store the printing data and print invoices/receipts
4. Wrote a master printing program to launch multiple printing jobs with parallel run
5. Generated EDI invoice data

Tooling: ABAP, Smart forms, IDoc, EDI, sftp, File

Shipping Printing Document Conversion (Jan 2009 - Feb 2008)
1. Converted the shipping document forms from SAPScript to Adobe Forms
2. Wrote the printing program to output the PDF forms

Tooling: ABAP, SAP Adobe LifeCycle Designer, SAP From Build, SAPScript

Web Return XML Load and Post Interface (Mar 2008 - May 2008)
1. Enhanced the load and process of Web Return by adding XML process capability
2. Added the process to SAP Return Cockpit

Tooling: Excel, File, XML Parsing, ABAP OO, BAdI , SAP Return Cockpit

Web Interface (Jun 2005 - Jul 2006)
1. Created a credit card upload program
2. Enhanced the file-based web interface for various web requests including custom new start, suspension, restart, payment change, address change, other changes
3. Added new functionality to handle vacation stop

Tooling: ABAP, ABAP OO, File, XML Parsing, Web, GPG, sftp

PPI Interface (Mar 2006 - Jun 2006)
1. Created a file-based interface to flow SAP orders to PPI publishing layout system
2. Wrote an OS script to transfer the files

Tooling: ABAP, File, OS Script, File, xml parsing

Circulation A/R Trial Balance Report (Jul 2005 - Aug 2005)
1. Created A/R trial balance reports
2. Built a report for FI trial balance

Tooling: ABAP, FICA, FICO, SAP Table Connector, Crystal Report

Customer Reports (Jan 2005 - Jun 2005)
1. Created HR reports for waging, Employee and FSA
2. Enhanced user exit for HR time tracking

Tooling: ABAP, HCM, Infotype, Logical DB PNPCE

Adpower Interface (Mar 2004 - May 2004)
1. Enhanced SAP Inbound interface importing Adpower ads
2. Improved SAP Outbound interface exporting business partners to Adpower

Tooling: Adpower Classic Ad Pagination System, Informix, ABAP, File Crystal Report

BW Stabilization Project (Apr 2003 - Aug 2003)
1. Created a customer data source, program extractor to categorize order revenue and collect order billing data

2. Built Revenue Tracking MultiProvider linking BDS Cube, unclassified Cube, Target Cube
3. Created BEx queries and working books for Executive and al Manager
4. Added authorization roles and published workbooks

Tooling: ABAP, BW, Source System, Data Source, Transfer Structure/Rule, Update Rule, InfoCube, MultiProvider, BW Query/Workbook, PFCG, Crystal Report

Advertising Billing Block Implementation (Apr 2003 - May 2003)
1. Added the control in user exit
2. Implemented the billing block for FI billing run and invoice generation

Tooling: ABAP, User Exits, FICO, A/R billing & invoicing

Sr. System Developer
PRI Automation
Jan 2001 – Aug 2001
Developed Core System Development, C++, VB, Oracle, ODBC, COM/COM+

Sr. System and Database Developer
Fourth Shift Corporation/SoftBand
Nov 1993 – Jan 2001
Development and enhancement of ERP software package and ODBC Driver using SQL Server, C/C++, Simba, Crystal Reports, Perl

Education

Shanghai Jiao Tong University
Sep 1984 - Jul 1988
Bachelor of Computer Science & Engineering

Volunteering

Sep 2017 - Present
Maintain club website & application forms for Toronto Swim Club