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## OBJECT

Seeking a position in a creative and challenging software development environment that utilizes cutting edge technologies.

## SUMMARY

- Over **17 years** of experience in design, development and implementation of J2EE compliant **web applications, web services, SOA and SSO**.
- Master in Open Source Technologies: **Spring framework, WSO2 Identity, OpenAM, OpenSSO, Apache Camel, ServiceMix SOA**
- Expert in Java Technology **J2EE, Axis Web Services, Spring RestWS, Sun JAX-WS, Hibernate, Spring, JSP, Servlet, JDBC, JNDI, TagLib, Junit, Log4J, Geronimo, Apache Tomcat, Struts, SOAP, XML, XSL, JavaScript, CSS, Maven and OpenJPA**.
- Strong skills in OO design/programming and database modeling.
- Worked on **DB2, Oracle, Postgresql and MySQL**
- Worked on Window 7/Vista/XP/NT/98/95, Ubuntu, Redhat Linux, Unix Solaris 10, FreeBSD, MS DOS.
- Superb productivity as an individual or team player, strong leadership, fast learner, excellent problem solving skills.

## EDUCATION

Honors Post Bachelor Diploma in Information Technology, Devry	Feb 99 – Feb 00
Honors Bachelor of Science (Actuarial and Statistics), University of Toronto	Sep 93 – Aug 97

## PROFESIONAL CERTIFICATIONS:

Sun Certified Programmer for Java 2 Platform	Dec 01
Course 110 of Society of Actuary	May 96
Course 100 of Society of Actuary	Feb 94

## PROJECT EXPERIENCE

**Symcor Inc., Toronto, ON.,** <http://www.symcor.com>

### Senior Team Lead,

#### **Upgrade SSO with WSO2 Identity and Spring SAML Security Oct 16 – Present**

- Taking the POC and coding the WSO2 custom authenticate and inbound to work for both applications (Web Image Retrieval/ Lockbox) for BMO named persistent use case.
- Integrated with Spring SAML Security inside Web Image Retrieval to work with BNS and ATB saml attribute exchange use case.

### Senior Team Lead,

#### **Replace TLM engine with Apache Camel Route Mar 16 – Present**

- Coding the POC to replace the TLM Smart Stream Engine by using the Apache Camel Route
- Leading the team to use this POC to replace the rest of TLM Smart Stream Engine for one Bank.

**Senior Team Lead, Update SSO with Redhat PicketLink** **Nov 15 – Mar 16**

- Work with RedHat to replace the Federation Account Linking SAML Use Cases (Registration, SSO and Termination)

**Senior Team Lead, Upgrade Web Image Retrieval 3.0** **April 13 – Nov 15**

- Leading the team of 6 developer to update this Web Image Retrieval to version 3.0
- Upgrade to Struts 2.x, separate the database per bank.
- Resolve the duplicate login users problem

**Performance Specialist** **Dec 12 – Mar 13**

- Use HP Load Runner, Zabbix to run and create a report for US Lockbox application
- Detect database connection on Jasper report component and guide the vendor to fix the problem.

**Senior Team Lead, Web Image Retrieval** **Jul 09 – Mar 12**

The Web Image Retrieval projects are the web-based applications that provide bank clients to view confidential documents and cheques online.

Lead all four Web Image Retrieval (WebIR) projects: 2.65, 2.75, 2.8 and 2.9.

- Guided and Mentored Onshore / Offshore developers.
- Re-designed configuration framework.
- Re-factored and optimized team members' code to reflect consistent company standards

**Technical Consulting, Royal Bank Center Big** **Jul 09 – Mar 12**

Integrated vendor applications with SOA webservice and ServiceMix to develop a Payment and Exceptions management system for US line of business.

- Designed and created a company standard of ServiceMix SOA, all ServiceMix projects are following this model.
- Re-designed RBCB web services with Spring including DAO transaction configurations for performance enhancement and simplified architecture.
- Re-designed legacy printing API to improve performance of batch printing process.

**Architect/Senior Team Lead, BMO Single Sign On (SSO)** **Jan 10 – Jul 10**

Using OpenSSO Express Build 8 as Service Provider for Sign Sign On Federation with JDBC authentication for both Web Image Retrieval and WholeSale Lockbox projects.

- Implemented POC with OpenSSO Single Sign On Federation with JDBC
- Designed, developed, and lead the team to implement SSO for WebIR and Wholesale Lockbox with OpenSSO registration,
- Fixed base OpenSSO issues to enable saving nameID and delete nameID for the corresponding Registration and Termination use cases.
- Published an article – "How to Configure Federation Use Cases with OpenSSO using JDBC" on <http://www.tunguyen.ca>

**Senior Developer, Enterprise Duplicate Document Detection** **Dec 08 – May 09**

eDDD is a high performance multi channel detection service that utilizes nVidia GPU to scan massive volume of data from captured MICR data compare against a history database of previously posted items.

- Designed and developed the Publisher System.
- Provided guidance to the Architect team using ServiceMix.ESB.
- Led Onshore/ Offshore developers.
- Integrated with Duplicated Document Detection Engine with Websphere MQ.

### **Senior Developer, Blue Steel**

**Oct 08 – Dec 08**

The combination of the Sun Grid Engine, Spring DI container, and ServiceMix ESB technologies formed a service that offers duplicate item detection, fraudulent checks identification, item data-to-image misalignment identification

- Replaced OpenJPA with Spring DAO to improve performance and avoid database deadlocks.
- Performed code review regularly and provided recommendation.
- Designed and created XSD schema definition from Publisher and Web application.

### **Team Lead, Symcor Interface Services**

**Mar 07 – Sep 08**

Symcor Interface Services (SIS) is a SOA system developed to provide a set of core TECP Business.

- Guided and mentored all the team members, including full time developers and onshore / offshore developers to use Maven 2, ServiceMix, OpenJPA and Spring
- Used Mtom for binary image transmission through web services for better performance.
- Used JAX-WS to build all the web services from standard xml schemas (xsd).
- Used OpenJPA extensively as the persistence technology.
- Setup a build process using maven 2
- Create a deployment plan for Geronimo 1.1.1, migrate the web application from Websphere to Geronimo.
- Setup the development environment with Eclipse and Maven2 and provided training to developers.

### **Team Lead, Image Compare**

**Sep 06 – Jan 07**

The Image Compare project provides validation service on post-capture cheque image and data association integrity.

- Worked with Architect and guided developers to code and build cross-platform Java and C code using Maven 2 and Cygwin.
- Worked with Architect to redesign and implement a solution to be able to process over two million images per night on the Sun Grid box.
- Using Spring and java as a wrap around C code for better performance.
- Setup and used ActiveMQ 4.0.2 to send and retrieve the message from message queue

### **Developer, RBC Chargeback System**

**May 06 – Aug 06**

RBC Chargeback is a SOA file transmission system that manages files processed for chargeback model.

- Main developer to develop the code to run under Apache Servicemix 2.2
- Used ActiveMQ 3.2.2 for managing queue message.
- Used Apache Axis to develop the webservice.

### **Developer, SOA BPEL Open Source Solution**

**Jan 06 – Feb 06**

SOA BPEL Open Source Solution is built with Apache Agile Bpel engine, Open LDAP, Active MQ, Apache Tomcat and DB2 database.

- Installed and configured Open LDAP for windows.
- Integrated with Spring JMS template to send and receive message queue.
- Develop bpel process files, the definition files and invoked the Bpel process using Agile Bpel engine.
- Implemented Java mail to send email.
- Presented SOA open source to CTO, VP and architecture teams.

**Developer, Multiple J2EE projects****Jan 02 – Dec 04**

Developed multiple J2EE/B2B multi-tier, multi-language web applications: Whole Sale Lockbox, Web Enrollment, Web QA, Risk Assessment Analysis, Day 2 Web Initiative Customer, Project Status Reporter.

- Implemented presentation using Struts frameworks and JavaScripts.
- Generated Web Service using Apache Axis
- Parsed xml files with Apache Jakarta Digester..
- Integrated with Betwixt to write XML files from java object.
- Implemented a Axis Log Handler to log the webservice requests and responses.
- Guided the team member to use Struts Frameworks.
- Implemented entity bean and session bean for Day2 project.
- Implemented login page using JDBC Realm for Project Status Reporter.

**Optus E-Business Solutions, Toronto, On.****Developer, World Insurance****Sep 00 – Aug 01**

The project is a multi-language, web application to support any number of insurance carriers and providing customers and insurance brokers with on-line application for life insurance.

- Built all the validation components for World Insured project.
- Generated XML from MS Access 2000 by using JDBC and Xerces.

**2Q Video, Toronto, On., <http://www.2qvideo.com>****Architect/Developer****June 04 – Dec 16**

The Video Online System is web-based application for customer to lookup catalogue, view account information, rate and review movies.

- Implemented Front tier using Struts Frameworks.
- Implemented data tier using Hibernate.
- Implemented Spring Framework for DAO transactions
- Using Scheduler Quartz to run and parse report files from the Store Rental Application to this server application.
- Owned the FreeBSD 1 U server to host PHP, Apache HTTP, Apache Tomcat websites.

**REFERENCES**

Available upon request