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

SUMMARY
- Over **10 years** of experience in design, development and implementation of J2EE compliant web applications, web services, SOA and SSO.
- Master in Open Source Technologies: **OpenSSO, ServiceMix SOA and Spring Frameworks**
- Expert in Java Technology **J2EE**, **Axis Web Services, Sun JAX-WS, Hibernate, Spring, JSP, Servlet, JDBC, JNDI, TagLib, Junit, Log4J, Geronimo, Apache Tomcat, Struts, SOAP, XML, XSL, JavaScript, CSS, Maven 2 and OpenJPA.**
- Strong skills in OO design/programming and database modeling.
- Worked on **DB2, Oracle and mySQL**
- Worked on Window 7/Vista/XP/NT/98/95, Unbuntu, 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, Web Image Retrieval   **Jul 09 – Present**
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 – Present**
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 nVidia GPU 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

Senior 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 webservices.

Senior 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 – Present

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.
- Own the FreeBSD 1 U server to host PHP, Apache HTTP, Apache Tomcat websites.

REFERENCES
Available upon request