JIHED AMINE MAAREF

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TECHNICAL STRENGTHS

Java Backend	Spring Framework (IoC, MVC, AOP, Test), JPA, JUnit, Mockito, Hibernate RabbitMQ, Logback, iText, Solr...
Java Frontend	JSF, JSP, Swing, Google Web Toolkit
Functional programming	Scala, Groovy
Build/Project management tools	Gradle, Maven, Ant
Application Servers	JBoss Wildfly, Apache Tomcat (administration and securing)
Various Tools	git, VI, Jenkins CI, Docker, Vagrant, docbook
IDEs	Intellij IDE, Eclipse IDE
Databases	PostgreSQL, MySQL, Oracle 9i, 10g, Apache Derby
Third-party software	Netsuite/Intacct ERPs, Alfresco CMS, Liferay portal, Nuxeo CMS

EDUCATION

UQÀM (Université du Québec à Montréal)   2009 - 2010
Master of Science in Software engineering   *Montreal*

· GPA: 4.05/4.3
· Thesis with high honours

Université Libre de Tunis   2005 - 2008
National Diploma of Engineer (Equivalent to a Bachelor)   *Tunis*

· Thesis with high honours
· Elected to take part in an international exchange program with Laval University in Quebec

ISI (Institut Supérieur d'Informatique)   2001 - 2005
Diplôme Universitaire Technologique   *Tunis*

· Specialization in Software Development
· Passed with honours

Bourguiba Pioneer High School   1994 - 2001
Baccalauréat (Undergraduate) in Mathematics   *Tunis*

· Pioneer school, admittance following a national exam

CERTIFICATIONS

· Oracle Certified Associate, Java SE 8 Programmer
· Liferay 6.2 Certified Professional Developer

EXPERIENCE

Nexonia   December 2015 - Present
Java Backend Developer   *Montreal*

· Design and Development of Integration with Cytric Travel Management using REST API, JAXB, rabbitmq, JDBC, etc (automatic booking of trips to Cytric from Nexonia, automatic creation of expense reports based on booked trips, attachment of booking receipts to expense reports)
· Design and Development of expense payment integration with Radius partner using WSDL webservices.
· Design and development of a gradle based webapp to handle WSSE authentication with a major partner (300+ clients), communication between internal webapps via messaging queues, authentication token encryption using private keys...
· Development of features to integrate with financial institutions including integration with Finicity banking transactions feed, handling Canadian Remittance Format, support of various credit card formats processing...

- Development of features to integrate with ERPs (Netsuite, Intacct, etc) including linking bills to purchase orders when exporting to Intacct, importing/exporting project resources and timesheets from/to NetSuite...
- Bug fixing and maintenance including writing database queries to execute in production, performance optimization, etc.

Savoir-faire Linux (SFL)   May 2013 - December 2015
Java Consultant   *Montreal*
- Achievement of multiple mandates for high profile governmental clients (ASSSL, CRIQ, Kingston City...).
- Proofs of concept for conferences on Alfresco and electronic document management in Quebec.
- Maintenance and enhancement of SFL's internal Content Management System

Jonco Die   August 2015 - December 2015
Java Consultant (on behalf of SFL)   *Montreal*
- Development of Talend Migration Jobs to migrate Sage data into Odoo opensource ERP
- Handling of account balancing, full and partial reconciliation, fiscal periods, etc

STM (Société des Transports de Montréal)   September 2014 - April 2015
Java Consultant (on behalf of SFL)   *Montreal*
- Migration of STM's Nuxeo Electronic Content Management System from 5.5 to 6.0
- Development of new features for the archiving module
- Upgrade of archiving module from Nuxeo 5.5 to 6.0 (Upgrade to JSF 2.0, Richfaces 4)
- Bug fixing, various enhancements

ASSSL (Agence de la santé et des services sociaux des Laurentides)   January 2015 - February 2015
Java Consultant (on behalf of SFL)   *Montreal*
- Customization of Alfresco Records Management
- Development of a document archiving workflow

ASSSL (Agence de la santé et des services sociaux des Laurentides)   May 2014 - July 2014
Java Consultant (on behalf of SFL)   *Montreal*
- Migration of Alfresco CMS from version 3.4 Community to 4.1 Enterprise with more than 100 Go of data and more than a hundred users
- Upgrade of customizations written in Java (webscripts) and Javascript/CSS to Alfresco enterprise 4.1
- Debugging of performance bottlenecks, Improvement of document conversion performance.

CRIQ (Centre de recherche industrielle du Québec)   January 2014 - July 2014
Java Consultant (on behalf of SFL)   *Montreal*
- Add, edit and view subsidiary files in CRIQ's Liferay portal for their Horace client
- Development of custom Liferay portlets and hooks
- Connection to an external database using liferay service (via Hibernate), tweaking of caching, performance optimization
- Implementation of a reports module
- Implementation of custom lucene Search with auto-suggestion and user permissions control

Kingston City, ON   January 2014 - May 2014
Java Consultant (on behalf of SFL)   *Montreal*
- Migration of Kingston City's Liferay portal from version 6.0 to 6.1 GA 2 EE
- Migration of custom modules developed by Kingston city to Liferay 6.1 GA 2 EE

Chaire de Logiciels Libres, social and solidary finance   December 2010 - May 2013
Software Analyst   *Montreal*
In a team of two software analysts, I designed and implemented the whole business layer of a loan management application.
- REST Services in Spring 3 MVC
- JPA 2 / Hibernate to persist data in a PostgreSQL DBMS

- PL/SQL scripts to migrate production data
- Full-text search with Apache Solr
- Electronic document management with Alfresco
- Creation of PDF reports (iText) and charts (JFreeChart)
- CMS (git) and continuous integration (Jenkins CI) under Ubuntu LTS
- More than a hundred integration tests
- Installation, administration and securing of the environnement (Apache Tomcat Servers, PostgreSQL, Alfresco, Solr...)
- Development of an administration web application using Grails
- Technical documentation written with docbook

UQÀM   January 2009 - December 2010
Teaching assistant   *Montreal*

Teach in the laboratory sessions - design exercises - correct assignments.
- Distributed applications: Teach about sockets, CGI, Servlets, XML processing (SAX, DOM)
- Operating systems: Processes, pipes, Unix Shell, System programming in C
- Java: OO fundamentals (classes and interfaces, inheritance, polymorphism...), Java collections and unit testing with JUnit
- Design: Explanation and practical use of many design patterns (Strategy, Observer, State, Command...)
- Software building and maintenance: C programming in Unix, modularity, debugging (gdb...), tests and configuration management (make, git...)

BIAT Bank, Internal Auditing Department   October to December 2009
Software Development Intern   *Tunis*

Development of an application managing internal audit procedures
- Web interface realized with GWT (Google Web Toolkit)
- Authentication and authorization management using Spring Framework
- Data persistence in an Oracle 10g DBMS using Hibernate Framework

LATECE (Research laboratory at UQÀM)   January to March 2008
Student-Researcher   *Montreal*

Simulation of a GSM network and roaming with mobile agents and distributed programming
- Creation and management of distant objects using the Voyager platform
- Remote control of mobile stations movement, simulation of the interactions between network component
- DBMS updated via a Hibernate mobile agent
- GUI implemented with Swing

BIAT Bank, Information Systems Department   March to June 2005
Graduation Assignment   *Tunis*

Operation of interbank SWIFT messages
- Application design using Rational Rose, Implementation in JSP
- Deployment on an Apache Tomcat container
- Oracle 9i DBMS

EXTRA ACTIVITIES

- Member of Montreal JUG (Montreal Java User Group) and Montreal Scala User Group
- Open source repositories (https://github.com/jihedamine)
- Hosts a software development blog (http://jihedamine.github.io)
- Taekwondo practitioner