

JIHED AMINE MAAREF

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TECHNICAL STRENGTHS

Java Backend	Spring Framework (IoC, MVC, AOP, Test), JPA, Hibernate & Hibernate Audit, JUnit, Maven, Logback, iText, jFreeChart, Solr, Apache Tomcat (administration and securing)
Java Frontend	JSF, JSP, Swing, Google Web Toolkit
Functional programming	Scala, Groovy, Grails
Java Open Source software	Alfresco CMS, Liferay portal, Nuxeo CMS
Tools	git, VI, Jenkins CI, Vagrant, Docker, JRebel, docbook
IDEs	IntelliJ IDE, Eclipse IDE
Databases	PostgreSQL, MySQL, Oracle 9i, 10g, Apache Derby, MongoDB

EDUCATION

UQÀM (Université du Québec à Montréal) <i>Master of Science in Software engineering</i> · GPA: 4.05/4.3 · Thesis with high honours	2009 - 2010 Montreal
Université Libre de Tunis <i>National Diploma of Engineer (Equivalent to a Bachelor)</i> · Thesis with high honours · Elected to take part in an international exchange program with Laval University in Quebec	2005 - 2008 Tunis
ISI (Institut Supérieur d'Informatique) <i>Diplôme Universitaire Technologique</i> · Specialization in Software Development · Passed with honours	2001 - 2005 Tunis
Bourguiba Pioneer High School <i>Baccalauréat (Undergraduate) in Mathematics</i> · Pioneer school, admittance following a national exam	1994 - 2001 Tunis

EXPERIENCE

Nexonia <i>Java Backend Developer</i> · Bug fixing and development of new features related to integrating Nexonia with third party ERPS (Intacct, Netsuite, etc)	December 2015 - Present Montreal
Savoir-faire Linux (SFL) <i>Java Consultant</i> · 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	May 2013 - December 2015 Montreal
Jonco Die <i>Java Consultant (on behalf of SFL)</i> · Development of Talend Migration Jobs to migrate Sage data into Odoo opensource ERP · Handling of account balancing, full and partial reconciliation, fiscal periods, etc	August 2015 - Present Montreal
STM (Société des Transports de Montréal) <i>Java Consultant (on behalf of SFL)</i>	September 2014 - April 2015 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)

Java Consultant (on behalf of SFL)

January 2015 - February 2015

Montreal

- Customization of Alfresco Records Management
- Development of a document archiving workflow

ASSSL (Agence de la santé et des services sociaux des Laurentides)

Java Consultant (on behalf of SFL)

May 2014 - July 2014

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)

Java Consultant (on behalf of SFL)

January 2014 - July 2014

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

Java Consultant (on behalf of SFL)

January 2014 - May 2014

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

Software Analyst

December 2010 - May 2013

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

Teaching assistant

January 2009 - December 2010

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