# JIHED AMINE MAAREF

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## TECHNICAL STRENGTHS

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|---|---|
| **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)** — 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

## EXPERIENCE

**Nexonia** — December 2015 - Present
*Java Backend Developer* — *Montreal*

· Development of new features and bug fixing related to integrating Nexonia with third party ERPs (Intacct, Netsuite, 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 - Present
*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