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<http://www.mycila.com/>



<http://blog.mycila.com/>

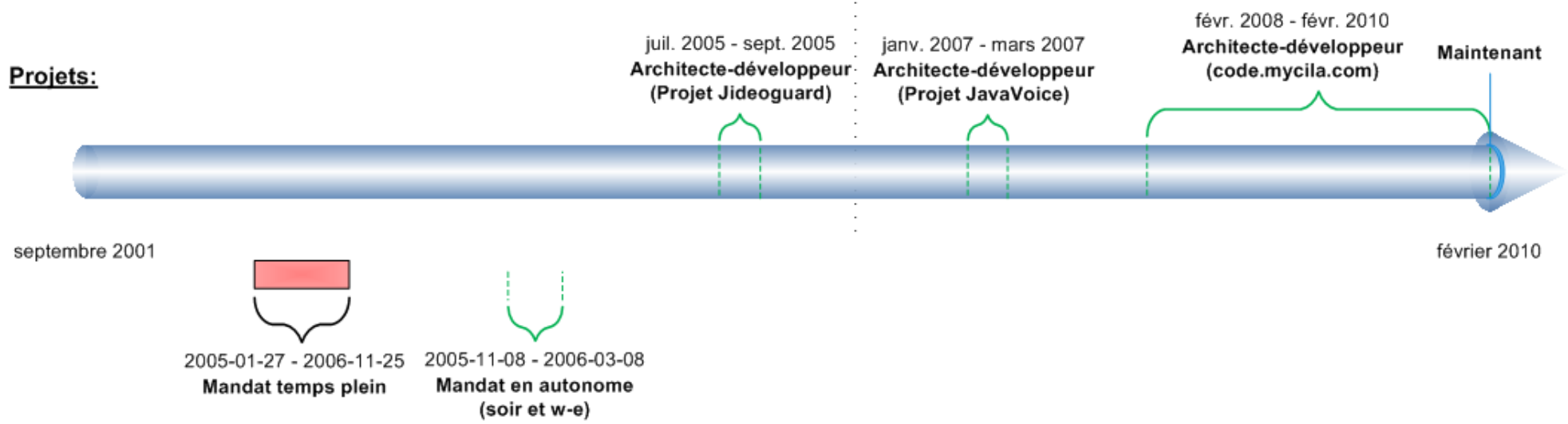
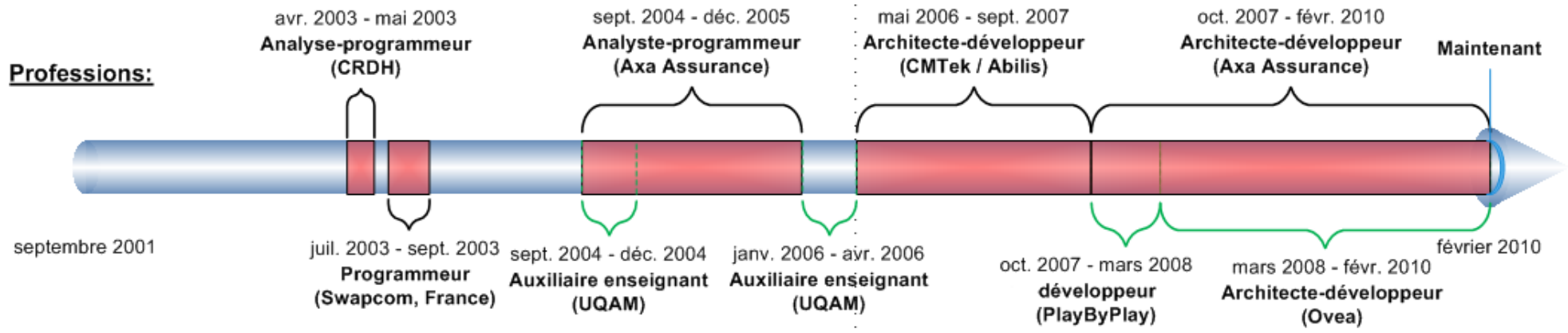
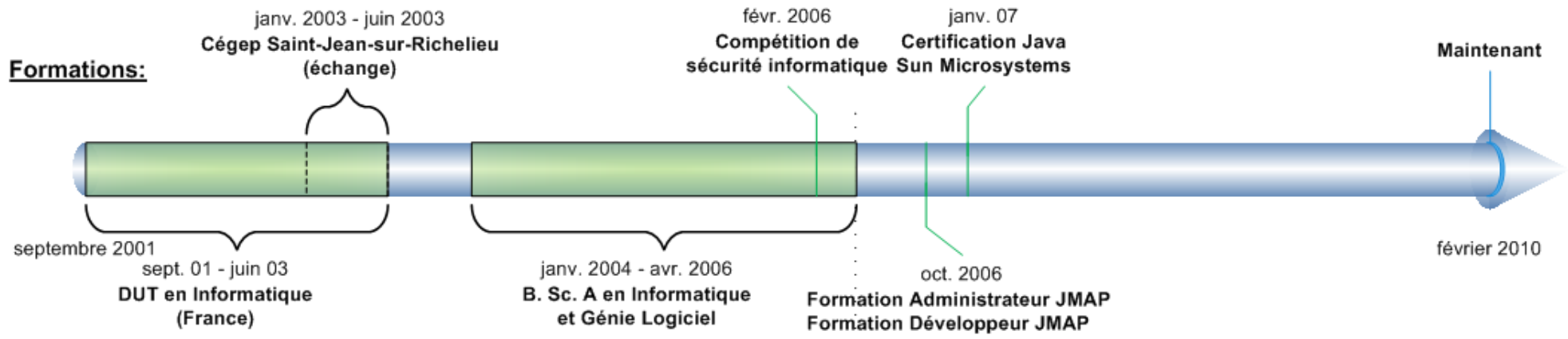
Expert Java developer with advanced skills in following fields:

- Java software architecture, development, designing and refactoring
- Java Open-Source solutions consulting
- Web development (*Wicket, Spring MVC, Tapestry, JSF, JSP, Struts, Javascript, JQuery, ...*)
- Backends and complex integration systems (*EDA, JMS, JMX, Clustering, SOA, Security, Hibernate, Spring, Google Guice, Mycila*)
- Build management software (*Maven, Ant, Hudson, Sonar, CruiseControl, ...*)
- Unit, integration and functional testing methods (*Junit, Sélénium, Testatoo, ...*)

Expert in Maven 2, Testatoo and Mycila (consulting, training and development)

Skills in network administration and computer security (admin, audits, nmap, J2ee web security).

Author of several heavily used Open-Source projects (<http://code.mycila.com/>) having a total effort value of about millions of dollars.



CURRENT POSITIONS

Consultant, Architect-developer (Axa Assurance)

Clients: Axa Assurance and National Bank Insurance

- **Java consulting, architecture and development** on several projects:
 - ◆ Transactional web applications (*Wicket, Tapestry, jQuery, Javascript*)
 - ◆ Web Services (*Metro, Schéma, XML, WSDL*)
 - ◆ In charge of security elements (*Jaas, Jboss, SiteMinder, Apache*)
 - ◆ In charge of backend and complex tasks (*JMX, AOP, Hibernate, Spring, Refactoring*)
 - ◆ Developed complex and technical libraries (*Introspection, Reflexion, Transaction, Concurrency, Security*)
 - ◆ Architecture and setup of web testing tools (*Testatoo, Selenium Grid, Junit, TestNG*)
 - ◆ Technical consulting for budget and task planning

- **Infrastructure specialist:**
 - ◆ Setup and consulting: Maven 2, Hudson, Sonar, Selenium Grid

Consultant, Architect-developer (Ovea)

Client: Ovea (<http://www.ovea.com/>)

- **Java consulting, architecture and development:**
 - ◆ *Testatoo project* (<http://www.testatoo.org/>): Open-Source solution to automate functional testing of web applications (*Selenium, JQuery, Javascript, Junit, TestNG*)
 - ◆ *Acidmelon project*: clustered, scalable and scriptable platform to monitor complex and heterogeneous networks in real time (*AOP, JMX, JMS, Jgroups, EDA, Mycila Event, JSR223, Javascript, Groovy, Google Guice*)
 - ◆ *Alfresco project*: web application backend to manage alfresco instances (*Hibernate, Google Guice*)

- **Infrastructure specialist:**
 - ◆ Setup and consulting: Maven 2, Selenium Grid, Subversion server
 - ◆ Virtualization (Vmware, KVM, VirtualBox)

Architect-developer (Mycila)

Author of well known Java Open-Source projects at <http://code.mycila.com/> (using Google code infrastructure), amongst:

➤ ***Mycila Event***

Extensible event-driven platform to use in EDA projects requiring a fast in-process event dispatcher (*Java, Bytecode, Google Guice*).

➤ ***Maven Licence Plugin***

Maven 2 plugin to manage licenses in all project's sources.

➤ ***Maven Deployer***

GUI & Webstart for deploying Maven 2 artifacts more easily.

➤ ***XMLTool***

DOM W3C DSL wrapper to manipulate and create XML documents faster and smarter.

➤ ***Mycila Testing***

Integration testing library which enables easier integration between IOCs, mocking libraries and test frameworks (*Spring, Guice, Junit, TestNG, EasyMock, Jmock, Mockito, AtUnit, ...*). Based on an extensible API enabling external plugin development..

➤ ***Mycila UJD*** (Unnecessary JAR Detector)

Analyze application classpaths to get several informations through JMX and also unused classes and Jar files.

PAST POSITIONS

Consultant, Developer (*PlayByPlay*)

➤ **Java consulting and development:**

- ◆ Transactional website managing baseball leagues (<http://www.volsdebut.com/>) (*JSP*)
- ◆ Technical Java & Hibernate consulting
- ◆ Setup of Maven 2

Consultant, Architect-developer, administrator (*CMTek / Abilis*)

Client: Bell (5 mois) <http://www.bell.ca/>

➤ **Team leader and Java developer:**

- ◆ In charge of the technical part and change analysis on a project to change some behavior on public Bell's website (*JSP, TeamSite*)

Client: Air Canada (5 mois) <http://www.abilis.ca/web/home/solutions>

➤ **Java Architect-developer**

- ◆ In charge of security (*SSL*), communication (*Web Services, compression*) and architecture (*Spring MVC, Hibernate*) of MTM project: management and administrative backend for embedded .NET Point Of Sale clients.
- ◆ Consulting and setup: Maven 2, Jboss & PostgreSQL servers with load balancing and Linux HA
- ◆ Virtualization (*Vmware*)

Client: UQAM (2 mois)

➤ **Functional analyst**

- ◆ Requirement analysis, task planning and cost estimate of a project

Client: Kheops (2 mois)

➤ **Network and security consulting**

- ◆ Leading a network audit on Kheops external infrastructure (Nmap)
 - ◆ Proposition of a new network infrastructure more secured supporting VOIP and VLAN
 - ◆ Network simulation, VOIP et VLAN under Vmware Server
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Client: Infosys Software (2 mois)

➤ **System administrator:**

- ◆ Virtualization (*Vmware ESX*)
 - ◆ System and network administration (Windows)
 - ◆ Setup supporting tools (Wiki, issue tracking, content management)
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Client: LesPAC (<http://www.lespac.com/>) (4 mois)

➤ **System administrator:**

- ◆ Support and evolution of a high availability infrastructure with apache, php, MySQL for LesPacs (*LinuxHA, MySQL master-slave replication, load-balancing, nagios. AdventNet Application Manager*)
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Client: CMTek / Abilis (4 mois)

➤ **System administrator:**

- ◆ Setup of a development infrastructure with continuous integration and project management tools, integrated to Windows environment (*Vmware, Active Directory, MediaWiki, Apache, SSL, PHP, Subversion, phpcollab, CruiseControl*)
- ◆ CVS to Subversion migration
- ◆ Setup of a NetBoot server to automate desktop and server installation (*PXE, Ubuntu, DHCP, Netboot*) and simulations with Vmware Server et ESX

Auxiliary teacher (UQAM)

Course: INF4482 (Networked application development)

➤ **Demonstrator:**

- ◆ In charge of demonstration courses in Java, J2ee, Web Services et EJB for students in the computer science bachelor
- ◆ Consulting and help to UQAM computer service to secure their Tomcat and Windows Citrix servers and to install pre-configured desktops with Eclipse / Tomcat

Analyst-programmer (Axa Assurance)

➤ **Java developer:**

- ◆ Backend development of a web application (persistence)
- ◆ .NET client for a Java Web Service with security management (*WS-Security*)

➤ **Infrastructure specialist:**

- ◆ Development of a tool to automate desktop installation (*Ant*)
- ◆ Source safe to Subversion migration
- ◆ Setup of a continuous build (*Cruise Control*)
- ◆ Development of a build and deploy management tool - was similar to Maven 1 (*Ant*)

Auxiliary teacher (UQAM)

Course: INF5270 (Sockets / Unix)

➤ **Demonstrator:** C Unix and network programming: *multicast, TCP, UDP, Fifo, RPC*

Architect-developer (several projects)

Author of Java Open-Source projects at <http://mathieu.carbou.free.fr/> :

- **Java Voice:** Vocal recognition and text-to-speech
- **Jideoguard:** Video watch application through Webcams or movie cameras with motion detection
- **GluonJ / Javassist** (<http://www.csg.is.titech.ac.jp/projects/gluonj/>) : Contributions to Open-Source project GluonJ (AOP framework based on Javassist) to add dynamic constructor overriding.
- **Security tools:** Windows ports of some network security tools (libdnet, arping, ...)

FORMATION

Sun Certified Java Programmer

January 2007, Sun Microsystems

JMAP trainings

October 2006, Kheops Technologies, <http://www.kheops-tech.com/>
2 trainings JMAP administrator and developer

La Boule de Cristal

February 2006, CRIM, <http://bouledecristal.crim.ca/>
Computer security competition with conferences to show how computer security is an important domain to consider

B.Sc.A. Computer science and software engineering

January 2004 to April 2006, UQAM
Graduated, network and network development profile.

International exchange

January 2003 to June 2003, between IUT (Lyon) and Cégep of Saint-Jean-sur-Richelieu
Computer science project and training period

University Institute of Information Technologies

September 2001 to June 2003, IUT of Lyon, France
Graduated.