

# Francois Roy, B.Sc.

## Senior Software Developer

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Languages (spoken/written): English and French  
Canadian Secret and NATO Secret Security Clearance

### SUMMARY OF QUALIFICATIONS

More than 10 years of experience doing technical work in all areas of the software development life cycle, including:

- The design and implementation of complex software integration and deployment solutions
- Software design
- Software development
- IT Support for development teams
- Requirements definition
- Team management

### EXPERIENCE

2011 – now	<p><b>Resonika Inc.</b> Saint-Eustache</p> <p>Resonika is both a consulting firm and a software development company that help businesses in all areas of the software development life cycle: Requirements definition, Software development environment setup and support, Design, Development, Integration and processes/best practices improvement. We are Linux and Open Source technologies experts.</p> <p><b>Senior System Software Specialist</b></p> <p>Responsibilities include:</p> <ul style="list-style-type: none"><li>• Consultation and expertise on C++ software development</li><li>• Design and implementation of new functionalities in various software solutions:<ul style="list-style-type: none"><li>○ Coding of new functionalities (C++ and Java in Eclipse on Linux)</li><li>○ Configuration Management Specialist (Subversion (SVN))</li><li>○ IT support for development teams (users, worksations, servers)</li></ul></li></ul>
2006 – 2011	<p><b>CAE Inc.</b> St-Laurent (Montreal)</p> <p>CAE is a world leader in simulation and modeling technologies and integrated training solutions for the civil aviation industry and defense forces around the globe. CAE employs approximately 7500 people in more than 20 countries.</p> <p>2009 to 2011 – <b>Senior System Specialist – Consultant at Lockheed Martin Canada</b> (Canadian Frigates Modernization, 4-billion dollar program)</p> <p>Responsibilities included:</p> <ul style="list-style-type: none"><li>• Administration and consultation for the Subversion (SVN) configuration management tool, along with the lead role in the improvement of the configuration management process</li></ul>

## EXPERIENCE (continued)

	<p><b>CAE Inc. (continued)</b></p> <ul style="list-style-type: none"><li>• Lead role in the implementation of a continuous integration server/build system (using Ant, Ivy, Hudson and Python scripts)</li><li>• Integration of all embedded software modules (Java and C++) written under the Eclipse environment in Red Hat Linux OS</li><li>• Deployment/debugging on the different Linux remote systems (including bash and Python script development)</li><li>• Participation in requirements definition through DOORS software and Windows-based applications</li><li>• Prime developer in specific software sub-component (software development in the Java language using Eclipse environment under Linux)</li><li>• Participating in requirements and code peer-review sessions</li></ul> <p>2006 to 2009 – <b>Project Lead / Senior System Specialist – CF-18 Software Maintenance Project</b></p> <p>Responsibilities included:</p> <ul style="list-style-type: none"><li>• Project Lead, core simulation SDK for the test benches' developers:<ul style="list-style-type: none"><li>○ Requirements definition</li><li>○ Architecture design/definition</li><li>○ Human Resources (team members) management</li><li>○ SDK base and networking services development (C, C++, Managed C++ and C# in Visual Studio on Windows)</li></ul></li><li>• CAE Mirabel architecture committee member:<ul style="list-style-type: none"><li>○ Short/Medium/Long term technology watch and strategy definition</li></ul></li><li>• Team Lead, defense e-learning business development:<ul style="list-style-type: none"><li>○ Define the vision, the objectives and study tenders</li></ul></li><li>• Version control process/technical improvement consultant (Subversion (SVN) specialist)</li><li>• Member of many process improvement committees</li><li>• Member of the team that successfully lead and earned CMMI L2 and L3 for CAE</li></ul>
2005 – 2006	<p><b>CTZoom Technologies Inc. Terrebonne</b></p> <p>CTZoom Technologies Inc. develops, manufactures and sells infrastructure imaging and management solutions. I was one of 4 employees working for this company at the time.</p> <p><b>Software Developer</b></p> <p>Responsibilities included:</p> <ul style="list-style-type: none"><li>• Design and implementation of new functionalities in both the robot camera control applications and the infrastructure management solution:<ul style="list-style-type: none"><li>○ Requirements definition.</li><li>○ Coding of new functionalities (C++ in Visual Studio on Windows)</li><li>○ Internal IT installation, configuration and management (users, workstations, servers)</li></ul></li></ul>

## EXPERIENCE (continued)

2005	<p><b>Croesus Finansoft Inc.</b> Laval</p> <p>Croesus Finansoft provides investment professionals with a platform for portfolio and client relationship management. Croesus employs approximately 200 people.</p> <p><b>Software Developer</b></p> <p>Responsibilities included:</p> <ul style="list-style-type: none"> <li>• Design and implementation of new cross-platform functionalities at both the core level (socket level) and the business layer (UI) of the portfolio management applications:             <ul style="list-style-type: none"> <li>○ Requirements definition</li> <li>○ Coding of new functionalities (C++ on both Linux and Windows)</li> </ul> </li> </ul>
2000 – 2005	<p><b>20-20 Technologies inc.</b> Laval</p> <p>20-20 Technologies provides computer-aided design, sales and manufacturing software solutions for residential and commercial markets. 20-20 employs approximately 250 people.</p> <p><b>Software Developer</b></p> <p>Responsibilities included:</p> <ul style="list-style-type: none"> <li>• Design and implementation of new SDK functionalities for both internal and external developers (C++)</li> <li>• Developing presentations to give to other developers about advanced object-oriented subjects and advanced design pattern development</li> </ul>

## COMPUTER KNOWLEDGE

Operating Systems and Environments	<ul style="list-style-type: none"> <li>• Linux (Red Hat Enterprise, Fedora 3-4, Ubuntu), Windows (all versions)</li> <li>• Eclipse, Visual Studio 6.0 and .Net (2003)</li> </ul>
Languages	<ul style="list-style-type: none"> <li>• C++ (10 years), Java, C#, Python, XML, HTML, bash, UML</li> </ul>
Others	<ul style="list-style-type: none"> <li>• Continuous Integration server/build system (Ant, Ivy, Hudson)</li> <li>• Version control administration using Subversion (SVN) and Starteam</li> <li>• Linux/Unix system administration</li> <li>• CMMI Level 3</li> <li>• Libraries Win32, .Net, Boost, STL</li> <li>• Distributed and Multithreaded software development (sockets, UDP)</li> <li>• Passion for design patterns and refactoring</li> <li>• Agile Software Development, Scrum</li> <li>• IT support and computer assembly since grade 6</li> </ul>

## EDUCATION

2011 – 2014	Graduate diploma in Management	HEC Montréal
1998 – 2001	B. Sc. Computer Science	Université de Sherbrooke
1996 – 1998	D.E.C. Pure and Applied Sciences	Collège de Sherbrooke