

# Reuben Peter-Paul, MCS

*Computing Scientist and Software Engineer*

## CONTACT INFORMATION

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## WORK EXPERIENCE

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MAY 2012 - *Present* **Senior Software Engineer**, [IPSNP Computing Inc.](#), Saint John, New Brunswick  
I work (part-time) as a programmer for IPSNP Computing Inc., where I am involved in the development of semantic web technologies applied to bio-informatics and clinical intelligence.

*software engineering, logic programming, context free grammars, systems scripting and integration*

MARCH 2012 - *Present* **Information and Communications Technology Officer**, [Aboriginal Workforce Development Initiative](#), Fredericton, New Brunswick  
As Information and Communications Technology (ICT) Officer, I am involved in the design, implementation and execution of a federally funded project directed at the development of a specialized *training-to-employment* program called the New Brunswick Aboriginal Information and Communications Technology ([NBAICT](#)) project.

*partnership building, curricula design, marketing, public speaking, statistical analysis*

FEBRUARY 2009 - FEBRUARY 2012 **Prototype Development Specialist**, [National Research Council](#), Fredericton, New Brunswick  
As a programmer at the National Research Council, I worked in teams consisting of other NRC Prototype Development Specialists, Research Officers, Business Development Officers, and Industry partners.

Three major projects I participated in were:

- **REM**, dose registry and radiation exposure management platform.
- **OmniBid**, open system for many-to-many automated negotiation platform.
- **Trax**, automatic vehicle location platform.

*software engineering, scripting, build automation, release management, database management, mobile application development, continuous integration, agile, architecture and design*

MAY 2008 - FEBRUARY 2009 **Software Consultant**, [Accreon](#), Fredericton, New Brunswick  
I was hired as a software consultant to participate in a small team to redesign a software product for an existing client.

*software engineering, scripting, build automation, release management, database management*

JANUARY 2006 - APRIL 2008	<b>Research Assistant</b> , <a href="#">Faculty of Computer Science, University of New Brunswick</a> , Fredericton, New Brunswick I was involved in the development of a new structural representational formalism, the Evolving Transformation System (ETS).  <i>knowledge representation, computational theory, data visualization, symbolic computation, software engineering</i>
JANUARY 2006 - APRIL 2008	<b>Teaching Assistant</b> , <a href="#">Faculty of Computer Science, University of New Brunswick</a> , Fredericton, New Brunswick I assisted in class labs and I marked assignments for several introductory, intermediate and advanced subjects in computer science.
MAY 2005 - DECEMBER 2005	<b>Software Developer</b> , Isomni Solutions Inc., Fredericton, New Brunswick I developed an e-learning course management solution (iLearn). I also designed and developed web-based user interface and a reference manual.

## EDUCATION

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DECEMBER 2006 - MAY 2009	<b>Master of Computer Science</b> , Specializing in data representation and visualization for pattern recognition and machine learning.
INSTITUTION	University of New Brunswick
SEPTEMBER 2000 - MAY 2005	<b>Bachelor of Computer Science</b> , <a href="#">Co-op</a> , Honours and designated Major in Software Systems
INSTITUTION	University of New Brunswick

## ACTIVE PROJECTS

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RULEML PSOA	I am an active contributor to the <a href="#">RuleML PSOA specification</a> as part of the <a href="#">PSOA2TPTP</a> project.
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## SELECTED TECHNICAL SKILLS AND ABILITIES

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PROGRAMMING LANGUAGES	<i>General:</i> Java, Haskell, Lisp, Clojure, C/C++, Objective-C <i>Logic:</i> Prolog, JBoss Drools, PSOA RuleML <i>Markup:</i> HTML5, L <sup>A</sup> T <sub>E</sub> X, Markdown, Restructured Text, HAML, SASS <i>Scripting:</i> JavaScript, Ruby, PL/SQL, BASH  <i>Learning: Clojure, Erlang, Scala</i>
SOFTWARE ENGINEERING	<i>Architectural Styles:</i> REST, Web Services, Message Queue, MVC, Pipeline <i>Development Methodologies:</i> Agile, Extreme Programming (XP), Scrum, TDD/BDD <i>APIs:</i> J2EE, JAX-RS, JPA, JMS, Java Servlet, OSGI, JADE <i>Frameworks:</i> jQuery, Rails, Flex, Adhearsion, Jersey, RESTEasy, ANTLR, Parsec <i>Mobile Platform:</i> iOS, Android <i>Automation:</i> Jenkins, Maven, Ant, Automake, xUnit, Cucumber, RSpec <i>Telephony:</i> Asterisk, Festival TTS
SERVERS	<i>Web:</i> Apache HTTP, Tomcat, Mongrel, Node.js, Jetty, Snap <i>Stacks:</i> JBoss, JMX, Equinox, SpringSource dm Server, JADE <i>Telephony:</i> Asterisk <i>Database:</i> MySQL, Oracle, PostgreSQL, SQLite, MongoDB, BigTable <i>Version Control:</i> Git, Subversion <i>Repository:</i> Apache Ivy, Sonatype Nexus

