Richard G. Côté

Contact

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Profile

10+ years practical experience with large software development projects.
Skill and training in life sciences and IT.
Methodical approach to complex problem solving.
Accustomed to work in an Agile environment (Scrum / Kanban).

Professional Experience

R&D Specialist – Software Engineer   [Since July 2013]
Nestle Institute of Health Sciences, Lausanne
Software development and data architecture for the Integrated Data Product (IDP) project, a multi-omics data warehouse with supporting web service interface. Member of the cross-project architecture team.

Systems Manager   [October 2004 – March 2005]
McGill University, Montreal
Hardware and software requirement gathering for the McGill University Life Sciences Complex. Coordination with hardware and software providers to setup physical installations.

Research Assistant   [March 2000 – December 2001]
Ste-Justine Hospital, Paediatric Oncology Research Centre, Montreal
Port legacy data entry software into web-accessible LIMS. Hardware and software support. Automate common analysis tasks using scripting. Prepare publication-grade figures and graphics.

Senior Software Engineer   [May 2005 – May 2013]
European Bioinformatics Institute, Cambridge
Back-end and frond-end software development for several highly accessed projects at the EBI, including the PRoteomics IDEntification (PRIDE) data repository, the Ontology Lookup Service (OLS) and the Protein Identifier Cross-Reference (PICR) service. Training course organizer and presenter.

Software Developer   [January 2002 – October 2004]
Sequence Bioinformatics, Montreal
Analysis and bioinformatics consulting to implement or develop custom solutions. Projects included building a web-based LIMS for a breast and ovarian cancer research project (Centre Hospitalier de l'Université de Montrél and Royal Victoria Hospital), integrating external third-party analysis tools and reference databases into a centralize SAAS platform (CGI Life Science Services Centre) and performing various network and software administration tasks.
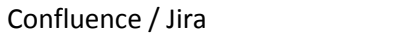
Skills

Java

Spring / Spring MVC

SOAP / REST

JAXB (XML) /Jackson (json)

Lucene / ElasticSearch

MySQL

Oracle

Confluence / Jira

PHP

JavaScript / CSS

WordPress

Gimp / Photoshop

Education

D.E.S.S. Applied Computer Science
Université de Montréal
2000 – 2001

M.Sc. Biochemistry
McGill University, Montreal
1997 – 2000

B.Sc. Honours Biochemistry
McGill University, Montreal
1994 – 1997

D.E.C. Pure Sciences
CEGEP de l'Outaouais, Hull
1992 – 1994

Selected Publications

Côté RG et al., The Proteomics IDEntification (PRIDE) Converter 2 Framework, Mol. Cell. Proteomics. 2012, PMID: 22949509.
Côté RG et al., The Ontology Lookup Service: bigger and better, Nucleic Acids Res. 2010, PMID: 20460452.
Côté RG et al., The Protein Identifier Cross-Referencing (PICR) service: reconciling protein identifiers across multiple source databases, BMC Bioinformatics 2007, PMID: 17945017.

Full list available upon request.

Other information

English and French fluently written and spoken.
Dual nationality: Canadian and British

References are available upon request.