


# RICHARD CÔTÉ


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📍 Morges, Vaud, CH


“25+ years practical experience in data management, Agile software development and life sciences data projects in corporate R&D and academia.”

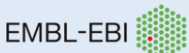


2025 ● R&D Specialist – Scientific Data Governance  
Société des Produits Nestlé,  
Lausanne  



2023 ● R&D Specialist - Digital Health  
Société des Produits Nestlé,  
Lausanne  


2018 ● R&D Specialist - Digital PM  
Société des Produits Nestlé,  
Lausanne, CH  



2013 ● R&D Specialist - Software Engineer  
Nestlé Institute of Health Sciences,  
Lausanne, CH  


2005 ● Senior Software Engineer  
European Bioinformatics Institute,  
Cambridge, UK  


2002 ● Software Engineer  
Sequence Bioinformatics,  
Montréal, CA  


2000 ● D.E.S.S. Applied Computer Science  
Université de Montréal,  
Montréal, CA  


2000 ● Software Engineer  
Hôpital Sainte-Justine,  
Montréal, CA  


1997 ● M.Sc. Biochemistry  
McGill University,  
Montréal, CA  


## TECHNICAL SKILLS

**Languages** Java, Python, C#, R

**IDE & Tools** IntelliJ, Visual Studio, PyCharm, R Studio, Android Studio, Git, SVN, Confluence, Jira, Azure DevOps

**Data & DBMS** Data Modelling, Master Data Management, Data Governance, ETL, MS SQL, PostgreSQL, Oracle

**Cloud** Microsoft Azure

**Graphics** Gimp, Photoshop, Illustrator

**Others** WordPress, MS Office, SharePoint, Shopify

## SOFT SKILLS

Scrum Master  
Project Management  
Leadership Skills for Project Managers  
Stakeholder Relations  
Growth Hacking Fundamentals  
Design Thinking Fundamentals  
Unconscious Bias

## OTHER

Perfectly fluent in English and French  
Dual nationality 🇨🇦🇬🇧  
C-Permit 🇨🇦  
29 Peer-reviewed publications  
Conference speaker  
WSET Level 2 

Keywords: Agile Apache Apple App store Azure Back-End development C# Clinical Data Compliance Confluence Controlled Vocabulary CSS Data Architecture Data Governance Data Management Data Warehouse Database Design DevOps ETL Full-Stack Genomics Gimp Git Google Play store Growth Hacking IntelliJ Hibernate JUnit JAXB JDBC JS JSP JavaScript Jetty Jira Kanban Kettle LSF Lucene Maven Minimal Data Standards MS Office MSSQL MySQL nginx ORM Ontologies openssl Oracle Pandas Pentaho Data Integration PDI PHP Photoshop PostgreSQL PowerBI PowerDesigner Project Management Proteomics PyCharm Python R REST Roadmap R Studio SOAP SSIS SSL SVN Schema Scrum SharePoint Software Engineering Solr Spring SpringMVC Stakeholder management Web Application Web Services Scripting Tomcat WordPress Web Services XML Schema

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2013  
to  
2025

**R&D Specialist – Multiple roles**  
Société des Produits Nestlé, Lausanne



Research

Scientific Data Governance - Computational Sciences group, Strategic Research Office: Data governance, project management, scrum master, data community engagement.

- Functional lead to draft and implement the data governance framework for Nestlé Research
- Technical lead to design and implement a data management & analysis planning tool
- Scrum master for a development team building a multi-agent AI-driven query system for scientific literature queries and state-of-the-art reviews
- Project manager for an initiative to automate, standardize and integrate flavour analysis data across multiple R&D business involving the creation of a unified analysis environment (front-end, processing pipelines, flavour master data)

Digital Health Technologist - Data & Labs group: Nutrition data architecture, digital health technology scouting.

- Design and develop a robust, scalable data architecture to promote (re)use of nutritional data with supporting ETL packages and release management best practices
- Scientific and IT compliance evaluation for new technology applications
- Lead streams in projects requiring nutritional data or digital technology support
- Coach and guide younger members of the project team

Digital Project Manager - Digital Nutrition & Health group: Scrum Master, project management, compliance champion.

- Scrum master for development team building mobile applications for high-accuracy dietary intake capture and other rapid digital prototypes
- Project manager for multiple activity streams, dealing with roadmap coordination, project planning, budget and resource tracking, contract and legal issue tracking
- IT Compliance, data privacy, impact and risk analysis for 3<sup>rd</sup> party cloud solutions
- Growth hacking and interim PM for innovation accelerator project (concept to shop test) in personalized infant nutrition

Software Engineer - BioSystems Informatics group: Software development and data architecture for a multi-omics and clinical data warehouse with R interfaces. System-to-system integration.

- Technical lead for a project to design and develop a data warehouse to integrate and distribute multi-omics and clinical data, with supporting ETL packages and R-language data access library for data analysis
- Design and implement XML schema for message-based system-to-system integration
- Implement master data management solutions for controlled vocabulary annotations, queries and validation
- Technical lead for the upgrade of a proteomics Laboratory Information Management System (LIMS), including standardization of dev/test/prod environments, implementation and securing of system-to-system integration and compliance testing

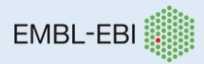
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2005 ● Senior Software Engineer  
European Bioinformatics Institute, Cambridge



Full-stack development for several highly accessed projects at the EBI, including the PRoteomics IDentification (PRIDE) proteomics data repository, the Ontology Lookup Service (OLS) and the Protein Identifier Cross-Reference (PICR) service.

- Refactoring of the PRIDE proteomics data repository from a small-scale proof of concept to a production-ready system
  - Data modelling of back-end database
  - Collaborate in implementing middleware code for data I/O
  - Collaborate in implementing front-end presentation layer
- Design and implementation of the Ontology Lookup Service, a new system for controlled vocabulary queries and master data management
  - Data modelling of back-end database
  - Lead implementation of middleware logic and front-end presentation layer and web services
  - Open-source strategy for distribution of code and data
- Design and implementation of the Protein Identifier Cross-Reference (PICR) service, a new system for protein identifier data integration
  - Data modelling of back-end database
  - Lead implementation of middleware logic and front-end presentation layer and web services
  - Integration strategies for automated mapping of data submitted to PRIDE
- Design and implementation of the PRIDE Converter tool, a rich java application that can convert mass spectrometry file formats into a PRIDE-compatible submission format.
  - Lead UX design and implement a rich Java client
  - Integration with previously described web services (OLS, PICR) as part of the submission process to generate well-annotated, syntactically and semantically validated XML files
- Write and publish peer-reviewed articles relating to work on PRIDE, PICR and OLS
- Present PRIDE, PICR and OLS in various scientific conferences, workshops and tutorials
- Supervision of trainee master student (6-month internship).