

CHRISTIAN LANCTÔT

1024 avenue du Vigneron
Drummondville, Quebec
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Email info@clanctot.com

Date of birth

February 21st, 1969

Citizenship

Canadian

[Web site](#)

[LinkedIn](#)

[GitHub](#)

INFORMATION TECHNOLOGY (IT) SKILLS

6+ years of experience with managing data from various fields (customer, financial, biomedical, geospatial). Specialized in the development of APIs and ETL interfaces. Expertise across the entire data chain, from collection to visualization and from analysis to modeling.

OS

Linux (debian), Windows

Version control

git, GitLab, GitHub

Project management

Jira, Clickup, TopDesk

Methodology

agile

Applications

ETL

Talend, Mirth Connect, Azure Data Factory

Office

MS Office Suite

BI

Knowage, PowerBI

GIS

qGIS

Graphics

GIMP

DBMS

SQL

Oracle, PostgreSQL, MSSQL, MySQL, Sybase

NoSQL

MongoDB

Search engine

Elasticsearch

API

REST (JSON), SOAP (XML), OAS 3.1, SwaggerHub

Languages

Python, C, Java, Javascript, PHP, Rust

Artificial Intelligence (AI)

Machine learning

pandas, numpy, scikit-learn

Neural networks

Keras

LLM

ChatGPT, Mistral, Azure AI Studio, Ollama, RAG

Web frameworks

React, React Native, ExpressJS, Django, Laravel

Apache

Camel, ActiveMQ

Infrastructure/servers

Node, Nginx

EDUCATION

2018

Code & Go Certificate – Programming and Web Development

Coding Academy, [Epitech School](#), Lyon Campus, France

1994-1999

Ph.D. in Biochemistry

Clinical Research Institute of Montreal ([IRCM](#)), University of Montreal

CONTINUING EDUCATION

- 2022** **Artificial Intelligence (AI) – Deep learning**
[Cégep de Trois-Rivières](#) (Quebec)
- 2019** **CCNA (Cisco Certified Network Associate) Training**
Introduction to networks
Cégep de Trois-Rivières (Quebec)

WORK EXPERIENCE

- 2023-** **IT Consultant**
Consultant TICL, Drummondville, Quebec
- mid- and long-term contracts as data analyst/manager
 - involvement in large-scale projects
 - specialization in data migration, development of interfaces/APIs as well as custom data uniformization/analysis tools in Python
 - experience with large language models (LLM) in artificial intelligence (AI)
- 2022**
2021 **Principal Analyst (Big Data)**
Programmer Analyst
[Sogetel Inc.](#), Nicolet, Quebec
- development of numerous ETL interfaces and web services as part of a \$79 million project aimed at deploying close to 4,000 km of optical fiber
 - daily use of various database management systems (DBMS), development and optimization of complex SQL queries
 - setup and maintenance of a geospatial database for customer data (PostGIS)
 - extraction and preparation of log data accessible via Elasticsearch (> 10 million entries per day); modeling using machine learning (Python libraries)
 - participation in the management of the enterprise data infrastructure
 - documentation of programs, procedures and APIs
- 2018-2021** **Programmer Analyst**
[Intégration Santé/IS Data Solutions](#), Shawinigan, Quebec
- development, validation and use of numerous ETL interfaces as part of a large scale \$44 million project of the Quebec Ministry of Health
 - daily use of various database management systems (Oracle, MSSQL, PostgreSQL)
 - setup of data warehouses and development of interfaces to feed them
 - creation of various dashboards (key performance indicators (KPI), tables, graphs and maps)
 - development of Python algorithms used to match citizen identification data from multiple sources (> 45)

- 2009-2017** **Principal Investigator / Group Leader**
Biocev, Faculty of Sciences, Charles University, Prague, Czech Republic
Institute of Cell Biology and Pathology, Charles University
- generation and analysis of microscopy images
 - analysis of genetic/genomic data
 - development of websites (lab, events)
 - grant awards from university, national and European agencies
 - publication of results, teaching
- 2007-2009** **Director, Scientific Development and Popularization**
Institute of Research in Immunology and Cancerology (IRIC), University of Montreal
- key role in the preparation of grant applications (\$51 million)
- 2004-2007** **Senior Research Fellow**
Ludwig-Maximilians University, Munich, Germany
- numerous publications in high impact journals
- 1998-2003** **Co-founder/ Chief Scientific Officer**
Phenogene Therapeutics, Montreal, Quebec
- design and implementation of a novel biotechnological platform
 - discovery and patenting of a new modulator of bone growth
 - building and supervision of a team of 11
 - key role in securing public and private investments of more than \$4 million
- 1988-1990** **Co-founder / Developer**
Les Logiciels Kaiser, Montreal, Quebec
- development and marketing of a stock market analysis software
 - code written in assembly language (Intel 80286)

LANGUAGES

Maternal	French
Other (spoken and written)	English, German, Czech

MISCELLANEOUS

International work experience
 Recipient of prestigious fellowships
 Volunteer work
 Reading, travel, working out, jogging, ski