

# Simon DA SILVA \ PhD, Software Engineer

📍 Calgary, AB 🇨🇦 • 🏠 Canadian PR 🇨🇦 / French citizen 🇫🇷

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— IT CONSULTANT, VIDEO STREAMING AND VIDEOCONFERENCING SPECIALIST —

## EXPERIENCE

**IT Consultant - Freelance, Canada 🇨🇦** ..... since 03 / 2024

I am working with several clients based in Europe and North America

**Software Engineer - Ubisoft Bordeaux 🇫🇷** ..... 08 / 2022 – 02 / 2024

I was leading technical matters on video streaming and visioconferencing for an undisclosed innovative project

**Technical Project Manager - Witbe, Calgary, AB, Canada 🇨🇦** ..... 01 / 2021 – 07 / 2022

I managed several technical projects for major English-speaking Canadian telco and media stakeholders

**R&D Software Engineer - Quanteec, Bordeaux 🇫🇷** ..... 10 / 2020 – 01 / 2021

I technically lead several projects, such as encrypting WebRTC P2P video streaming traffic

**PhD in Computer Science - Univ. Bordeaux, CNRS, LaBRI 🇫🇷** ..... 10 / 2017 – 09 / 2020

I designed, developed and implemented three pragmatic solutions:

- PRIVATUBE, a privacy-preserving edge-assisted secure OTT video streaming system
- PProx, a platform providing anonymous recommendations to streaming platforms users
- MUSLIN, a dynamic server provisioning and live OTT video streaming system

I taught various modules: Cloud computing; Docker; Multimedia; Programming (C, Sockets, TCP/IP); Streaming; Webservices

**R&D Software Engineer - Victoria University, Melbourne, VIC, Australia 🇦🇺** ..... 06 / 2016 – 09 / 2016

I implemented an image recognition algorithm in two mobile applications (Android and iOS) for a major Australian company

## EDUCATION

**PhD in Computer Science - Univ. Bordeaux, CNRS, LaBRI** ..... 2020

Thesis: High-QoE Privacy-Preserving Video Streaming

**MSc in Telecommunications Engineering - ENSEIRB-MATMECA, Bordeaux INP - With Honors** ..... 2017

Software Engineering for Computer Science and Networks - 1st/56

**Science Baccalauréat (Math major), Higher School Preparatory Classes - Toulouse** ..... 2012, 2014

## SKILLS

**Communication:** I published 7 articles, taught trainings and classes, and performed multiple conference talks

**Project management:** I have been managing several technical projects and coordinated a research project

**Technical:** OTT, WebRTC, Docker, C/C++, NodeJS, Python, Java, JavaScript, React, TypeScript, Go, WEB

## LANGUAGES

🇬🇧 **English:** Fluent - TOEIC 990/990 - IELTS 8/9

🇪🇸 **Spanish:** Professional proficiency

🇫🇷 **French:** Native speaker

🇵🇹 **Portuguese:** Good proficiency

## HOBBIES

**Association:** I had been elected as the AFoDIB president, Bordeaux CS PhD students association ... 2017 – 2019

**Involvement:** I was an elected PhD students representative at the Maths-CS doctoral school ..... 2017 – 2020

**Music:** I am a music producer (electro) and regularly mix; I have attended the academy for 9 years (guitar)

**Sport:** Table tennis (6 years in sports club), Laser Tag, Escape Game, climbing, ski, hiking, squash

**Travel:** I love travelling and discovering new cultures (33 visited countries); I have lived in Australia and Canada