

# Sébastien Lavoie-Courchesne

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👤 [/lavoiecsh](https://github.com/lavoiecsh)  
🌐 [lavoiecsh.github.io](https://lavoiecsh.github.io)

## ⚙️ Experience

### AppDirect

*Staff Engineer*

2019 — Present  
Montréal, QC

- › Developed, deployed and maintained applications in multiple clusters
- › Established and maintained technical roadmap
- › Architected and guided other development teams in architecture decisions
- › Participated in Working Groups to define company-wide technology guidelines  
GraphQL, Kafka, Event Driven Architecture, File Management
- › Wrote blogs, tutorials and guidelines for different technologies

### Pyxis

*Developer*

2017 — 2019  
Montréal, QC

- › Developed and maintained Windows, Android and Web applications for different clients
- › Started an architecture group to review different projects' architectures and establish guidelines
- › Presented Lunch & Learns on different subjects

### GIRO

*Developer*

2014 — 2017  
Montréal, QC

- › Developed and maintained Windows applications for route optimizations in the Geographic Information System team

## 🎓 Education

### Université de Montréal

*MSc Computer Science, with memoir*

2012 — 2016  
Montréal, QC

### Université de Montréal

*BSc Computer Science*

2009 — 2012  
Montréal, QC

## Conferences

**GraphQL: Thinking in resolvers**

Confoo Montreal 2022

**Scaling microservice APIs with GraphQL Federation**

Confoo Online 2021

## Publications

Proper Code Blog: <https://lavoiecsh.github.io/>

2018 —

Amélioration a posteriori de la traduction  
automatique par métaheuristique

2016

*Sebastien Lavoie-Courchesne*

*MSc Memoir, Université de Montréal*

The Pipeline System for Octave and Matlab  
(PSOM): a lightweight scripting framework and  
execution engine for scientific workflows

2012

*Pierre Bellec, Sebastien Lavoie-Courchesne, et al.*

*Frontiers of neuroinformatics*

Integration of a neuroimaging processing  
pipeline into a pan-canadian computing  
grid

2012

*Sebastien Lavoie-Courchesne, Pierre Bellec,  
et al.*

*Journal of Physics: Conference Series*