

# Alexandre Gervais

SOFTWARE ENGINEER · (DEVOPS & SRE TECH LEAD)

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## Experience

### AppDirect

Montréal, Canada

STAFF SOFTWARE DEVELOPER (DEVOPS & SRE TECH LEAD)

2018 - PRESENT

- Built observability in a micro-service architecture through tracing (OpenTracing, OpenCensus, Jaeger) and monitoring (Prometheus, Grafana).
- Establishing the roadmap and vision of platform architecture, tooling and engineering practices.
- Conducting effective one-on-one meetings with team members.
- Evangelized the concepts of Site Reliability Engineering (SRE) and Service Levels (SLI, SLO, SLA).

### AppDirect

Montréal, Canada

STAFF SOFTWARE DEVELOPER (DEVOPS)

2017 - 2018

- Evolved and contributed to open-source Kubernetes network infrastructure projects; API Gateway (Ambassador, Envoy) and ingress-controller.
- Automated the continuous integration and continuous deployment pipelines of applications; GitOps (Github, Jenkins-dsl, Kubernetes).

### AppDirect

Montréal, Canada

SENIOR SOFTWARE DEVELOPER (DEVOPS)

2015 - 2017

- Application management infrastructure setup and maintenance (Kubernetes, Docker, Terraform, Packer, AWS).
- Conceived, developed and maintained a self-service development environment provisioning web application (node.js, AngularJS, Terraform, AWS).
- Support quality assurance practices by automating and centralizing end-to-end integration testing (AngularJS, Docker-compose, Jenkins).

### Solutions Médias 360

Montréal, Canada

SOFTWARE DEVELOPER

2012 - 2015

- Designed and implemented a scalable and redundant architecture of web services and APIs (Java, JAXRS, MySQL, Redis, ElasticSearch).
- Infrastructure setup and maintenance, "devops" (AWS, Linux, Nginx, HAProxy, monitoring, security).
- Created and evolved a web-based management tool (AngularJS, node.js).
- Automated information retrieval and syndication with our industry partners (Java, Spring).
- Built and maintained developer tools and environments (Vagrant, CI, Git).

### iWeb Technologies

Montréal, Canada

INTERMEDIATE SOFTWARE DEVELOPER

2011 - 2012

- Developed a software architecture for the delivery of virtual machines in a cloud infrastructure (Agile, TDD).
- Programmed REST and JMS web services (Spring, ActiveMQ, CXF).
- Interfaced with billing and security APIs (REST).
- Maintained, tested and migrated applications from legacy systems to new technologies (PHP, SOAP, Java).

## Education

### HEC Montréal

Montréal, Canada

POST-GRADUATE DIPLOMA IN ENTREPRENEURSHIP

2017 - 2019

### École de technologie supérieure (ÉTS)

Montréal, Canada

BACHELOR DEGREE IN SOFTWARE ENGINEERING (B.ING.)

2016 - 2010

- 3.77 / 4.30 GPA

### Cégep André-Laurendeau

LaSalle (Montréal), Canada

COLLEGE DIPLOMA IN COMPUTER SCIENCE

2003 - 2006

- Administrative data processing option

# Presentations, Talks & Articles

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## BLOGS AND ARTICLES

Mar. 2019 **AppDirect Case Study - Kubernetes**

<https://kubernetes.io/case-studies/appdirect/>

*kubernetes.io*

Sept. 2018 **Fireside Chat with Alex Gervais: Accelerating AppDirect Developer Workflow with Ambassador**

<https://blog.getambassador.io/fireside-chat-with-alex-gervais-accelerating-appdirect-developer-workflow-with-ambassador-7586597b1c34>

*Daniel Bryant;  
getambassador.io*

June 2018 **Evolution of the AppDirect Kubernetes Network Infrastructure**

<https://www.appdirect.com/blog/evolution-of-the-appdirect-kubernetes-network-infrastructure>

*appdirect.com*

## CONFERENCES AND USER GROUPS

Dec. 2018 **The Evolution of the AppDirect Kubernetes Network Infrastructure**

KubeCon + CNCFCon North America 2018

*Seattle*

Oct. 2018 **Étouffez-vous? — Un cas d'API Gateway**

devopsdays Montréal

*espace 8*

Oct. 2017 **AppDirect+GitHub since 2010**

Montréal GitHub Meetup

*Shopify*

Oct. 2016 **HA Kubernetes Deployment**

Meetup #2 - User stories, Kubernetes-Montréal

*CloudOps*

## Personal projects

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### **misezsurlaglace.com**

*Misez sur la glace* IS A PORTAL FOR THE ANNUAL FAMILY HOCKEY POOL.

*2013 - PRESENT*

- Web integration (node.js, Jade, Bootstrap).
- Infrastructure (AWS).

### **dareeo.com**

*Dareeo* IS A MOBILE APPLICATION THAT CHALLENGES YOUR FRIENDS.

*2014*

- Created the public API (node.js, OAuth, CouchDB, AWS).
- Mobile application development (Android).

## Skills, Technologies, Languages and Software

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<b>Methodologies</b>	DevOps, SRE, CI/CD/CV, Observability, Agile Scrum, TDD
<b>Cloud Native Ecosystem</b>	Kubernetes, Serverless, Prometheus, Grafana, Jaeger, AWS, GCP
<b>Operating systems and tools</b>	OS X, Linux, Git, Docker, Terraform, IntelliJ, Jenkins
<b>Programming languages</b>	Javascript (node.js), Go, Python, Java, Bash
<b>Internet, web applications</b>	Envoy, Ambassador, HAProxy, Nginx, REST, GRPC, SOAP
<b>Database</b>	SQL, Consul, etcd, Redis, ElasticSearch