Alexandre **Gervais**

Software Engineer · (Full Stack DevOps)

205-738 Saint-Paul Ouest, Montréal (QC), Canada H3C 0N5

(+1) 514.465.6875 | ✉ alex.gervais@gmail.com | ⌨ alexgervais | in alexandregervais | English - French

Experience

AppDirect *Montréal, Canada*

Staff Software Developer (DevOps) *2017 - PRESENT*

- Evolved and contributed to open-source Kubernetes network infrastructure projects; API Gateway (Ambassador) and ingress-controller.
- Built observability in a micro-service architecture through tracing (OpenTracing, Jaeger, Zipkin) 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.

AppDirect *Montréal, Canada*

Senior Software Developer (DevOps) *2015 - 2017*

- Application management infrastructure setup and maintenance (Kubernetes, Docker, Terraform, CentOS7, Packer, AWS).
- Automated the continuous integration and continuous deployment pipelines of applications (Github, Jenkins-dsl, Kubernetes).
- 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

Blogs

June 2018   **Evolution of the AppDirect Kubernetes Network Infrastructure**,
https://www.appdirect.com/blog/evolution-of-the-appdirect-kubernetes-network-infrastructure

User Groups

Oct. 2017   **AppDirect+GitHub since 2010**, Montréal GitHub Meetup   *Shopify*

Oct. 2016   **HA Kubernetes Deployment**, Meetup #2 - User stories, Kubernetes-Montréal   *CloudOps*

Personal projects

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).

Automatic music classification system

         2010

- Extraction of meaningful features of the audio signal of a musical piece for modeling.
- Statistical analysis of a music collection and genre classification of audio parts by machine learning.

Technologies, languages and software

Operating systems and tools	OS X, Linux, AWS, Git, Kubernetes, Docker, Terraform, Packer, Jenkins, IntelliJ, New Relic, Datadog
Programming languages	Javascript (node.js), Java, Groovy, Bash, Python, Go
Internet, web applications	Nginx, HAProxy, Apache, Tomcat, Consul, Spring, REST, SOAP
Database	CouchDB, Redis, ElasticSearch, SQL
Methodologies	Agile Scrum, TDD, CI/CD