

# Sébastien Coavoux

Cloud Architect, Devops, Linux

fr en

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Availability: Available now, 20h - 37.5h / week

## About

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I have 8 years experience in development and operations (Devops). I have a strong experience cloud technologies, containers, free and open source software and systems monitoring. I can architect and implement CI/CD pipelines and Kubernetes based cloud deployments. I'm familiar with Agile methodology, got a good team spirit and can communicate easily. The diversity of my missions allowed me to be more open-minded and be more autonomous. My main objective : ship work the way I would like to receive it

## Experience

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### Azoplee.com

Senior Consultant

November 2019 - present

#### **Customer: Nokia**

*Assignment: Scaling Platform*

- Migration of business application from ECS to Kubernetes
- Packaging and Deployment Automation
- Platform support and coaching

*Technical environment : EKS, Helm, Gitlab, Openstack*

#### **Customer: (Temporary Undisclosed)**

*Assignment: Stack migration from a Docker based architecture to a Kubernetes one*

- Audit of existing architecture
- Proof of concept with Kubernetes architecture
- Packaging and Deployment Automation

*Technical environment : Kubernetes, Docker, DigitalOcean, Helm*

# Fon (previously XCellAir)

Senior Devops Engineer

May 2017 - November 2019

*Assignment: Private cloud platform*

- Setup and configuration of Openstack server
- Design of private cloud architecture
- Deployment and Configuration of Openstack with Chef
- Contribution to Openstack Chef cookbooks to support last Openstack versions

*Assignment: CI/CD pipeline*

- Migration of repositories to Gitlab Cloud and user training
- Design and implementation of CI and CD using GitlabCI
- Team velocity improvement with a faster feedback loop
- Deployment of an internal artifacts manager (Nexus)

*Assignment: Scaling platform*

- Introduction of Docker technology in the company and user training
- Lead containerization of business applications and technology adoption
- Introduction of Kubernetes as next generation scaling solution
- Deployment of containerized stack in AWS and Openstack (ECS, K8s, docker compose)

*Technical environment : Kubernetes, Docker, AWS, Terraform, Gitlab, Openstack, Chef, Python, Linux*

## Nuance Communications

Devops Engineer

April 2016 - May 2017

*Assignment: Provide a cloud based platform for other team to setup in-house app*

- Setup and configuration of a Kubernetes cluster
- Development of patch to Kubernetes to add new features
- Development of a tool to automate installation, with continuous intergration and test in cloud
- CI pipeline and unit tests of the setup tool
- Setup, configuration, monitoring and maintenance of a docker registry for locals apps
- Proxy architecture to replicate docker images
- Coaching of new Kubernetes users
- Integration of latest Kubernetes / Docker version to get the very last features

*Technical environment : Linux, Python, Kubernetes, Docker, Azure, Go, Portus, Gitlab, DigitalOcean, Ruby*

# Nuance Communications

Release and Continuous Integration Engineer

November 2015 - April 2016

*Assignment: Sustain CI pipeline and improve reliability*

- Setup of a in-house monitoring system to detect server issues
- Use of container approach in CI to have stateless agent
- Unification of agent setup to get a homogenous infrastructure
- Deployment automation with configuration management tool from scratch

*Technical environment : Linux, Python, Salt, Docker, Bamboo, Sensu, Graphite, Grafana, Ruby*

# Savoir-faire Linux

Free Software Consultant

April 2013 - November 2015

## **Customer: Société de transport de Montréal**

*Assignment : Setup of a monitoring tool in a huge environnemnt*

- Setup the monitoring tool in dev env
- Development of tool generating configuration
- Monitoring plugins development
- Production support deployment
- Continuous integration tests
- Benchmarks, functional testing

*Technical environment : Linux, Python, Shinken, Graphite, Windows Server, WMI, VmWare, Talend, Ossec, Collectd, SNMP*

## **Customer: Société de développement de la Baie-James**

*Assignment : Monitoring software update and hardware addition*

- Keep the software up to date with latest features
- Monitor new hardwares, servers, softwares.
- Custimization

*Technical environment: Linux, Python, Shinken, Thruk, Nagvis, Windows Server, WMI, VmWare, SNMP*

## **Customer: Société québécoise des infrastructures**

*Assignment : Setup of a monitoring tool*

- Setup and customization (alerting, theshold)
- Custom development of monitoring plugins
- Formation materials

*Technical environment : Linux, Python, Shinken, Centreon, MySQL, PHP, Windows Server, WMI, VmWare*

# Education

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## Polytech'Grenoble

Computer Science Engineer

*Major : Networks and Systems*

2009 - 2012

Key modules : Algorithms, Systems architecture, Cryptography, Databases, Software engineering, Operating Systems, Networks, Communication, Management.

# Projects

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## L'Atelier Candide

*lateliercandide.ca*

Inventory automation

2018 - present

*Inventory operations automation*

- Product additions and updates
- Apply discount automatically
- Delays detection on shippings

## Alignak

Main developer

2015 - 2018

**Open-source monitoring framework**

*Major refactoring to make code compliant to Python rules*

- PEP8 and Pylint compliance over the code
- Functional and unit test additions
- Setup of development best practices (continuous integration, code review, code quality analysis)
- Packaging automation