

# Stephan Michaud

SOFTWARE DEVELOPER & LINUX ADMINISTRATOR

## # CONTACT

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Location	Greater Montréal Area, QC J0L Canada
Email	✉ michauds90@gmail.com
GitHub / GitLab	@michauds
LinkedIn	<a href="https://www.linkedin.com/in/stephan-michaud-6b640b35/">https://www.linkedin.com/in/stephan-michaud-6b640b35/</a>

## # PROFESSIONAL EXPERIENCE

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### July 2022 - **Technical Lead at Valtech**

- \* Built and presented a client-sponsored proof of concept within time & budget that led to unlocking a high value deal.
- \* Prototype and document usability of new technologies to unlock new opportunities.
- \* Mentor teams on new tech stacks relevant for current & prospect client projects, increasing the flexibility of developer assignments to projects.
- \* Proposed and implemented lightweight process review to improve the quality and visibility of deliverables.
- \* Hold scheduled meetings with developers & review performance and quality of deliverables.

Technologies: Nuxt.js, Vue.js, Typescript, Next.js, React.js, Django-CMS, Django, AWS, Contentful, Contentstack, Docker, Spring Boot, Java, Kubernetes, Prometheus, Grafana, Flask, GraphQL, Python

### June 2021 - July 2022 **Lead Backend Developer at Valtech**

- \* Prototype and document usability of new technologies to increase the team's adaptability.
- \* Train teams on new tech stacks relevant for client and internal projects, increasing the flexibility of developer assignments to projects.
- \* Propose and implement process review to improve visibility on initiatives within the team.
- \* Plan and implement a learning culture within the development teams to improve the team's satisfaction and value.

Technologies: Django, Django-CMS, Celery, Python, PostgreSQL, Ansible, Terraform, AWS, Contentful, CommerceTools, TypeScript, NodeJS, Azure, Docker, VueJS, Bamboo, Flutter, Firebase

### November 2018 - June 2021 **Senior Software Developer at Valtech**

#### Tasks & responsibilities:

- Prototype new ways of utilizing technology
- Deliver high-quality client solutions
- Propose new solutions for client needs
- Deliver & maintain cloud solutions for internal & external clients

Technologies: Django, Django-CMS, Celery, Python, PostgreSQL, Ansible, Terraform, AWS, Contentful, CommerceTools, TypeScript, NodeJS, Azure, Docker, VueJS, Bamboo

October 2017 – **Senior Software Developer at CyberPublicity**

November 2018 Full-time employee.

#### Tasks & responsibilities:

- Translate internal sales model to PPC provider SOAP services
- Automatically update and manage budget and purchase orders across PPC providers
- Scale-out internal lead acquisition tool across multiple machines
- Convert long-running cronjobs to Celery tasks
- Build new platform alongside legacy code
- Upgrade legacy codebase to Python3
- Created CI/CD pipeline with Jenkins
- Convert legacy SSH deployment to Ansible playbooks.
- Setup automatic infrastructure provisioning with Terraform
- Sources parts and built a local datacenter to reduce public cloud dependency
- Setup and manage RabbitMQ to handle communication between vlan-seggregated services
- Integrate with Datadog and Rollbar for monitoring
- Create prototype MySQL multi-master cluster with Galera.

#### Technologies:

- Django, PyTest, suds-jerko, zeep, Celery, Python, MySQL, RabbitMQ, Ansible, Terraform, Jenkins, AWS, Datadog, Rollbar

October 2016 – May 2017 **Software Developer at IMMUNIO**

Full-time employee.

#### Tasks & responsibilities:

- Build new features for the stream processing backend and the api server
- Improve tools, bots in the CI pipeline used by members of the teams
- On-call rotation supporting over 100vms

Technologies:

- Python, Ruby, PostgreSQL, Kafka, Ansible, Mesos, Marathon, docker

May 2016 - October 2016 **Devops Specialist at Ormuco**

Full-time employee.

Tasks & responsibilities:

- Build new features for the Client cloud portal and the underlying multi-DC Openstack clusters.
- Research new features from the Openstack community to integrate with the existing solution.
- Participate within the Openstack community discussions and propose code changes.

Technologies:

- Python, PostgreSQL, Mongo, Ansible, docker

August 2014 - May 2016 **Software Developer at Broadsign**

Full-time employee.

Tasks & responsibilities:

- Maintain applications powering digital screens around the world.
- Created a new product with minimal resources and a tight integration with existing products.
- Created an SSO prototype that then matured into a full server with the help of our newly grown team.
- Manage and aid in bug tracker server setup and migration
- Review commits and pull requests
- Mentor colleagues on the architecture and technologies used and various program development techniques
- Pass potential new hires through the interview process and provide technical and general feedback on their fit within the team

Technologies:

- Ubuntu, Python(2&3), PostgreSQL, Django, Flask, SAML, Hubspot API, Qt, C++, Celery, Debian packaging, Nginx, Apache, Catalina, Turbogears, SOAP

## # EDUCATION

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2010-2013 **Bachelor of Applied Science in Computer Science**

Université du Québec à Montréal

## # LANGUAGES

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Mother tongue **English**

Other languages **French - Fluent**