

Étienne St-Amant Audet

IT ENGINEERING · GRADUATE

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“To succeed, planning alone is insufficient. One must improvise as well.” — Isaac Asimov

Experience

Desjardins

CYBERSECURITY ENGINEER INTERN

Montreal, Canada

Jan. 2021 - Apr. 2021

- Improve security and simplify an API using Django and GraphQL.
- Contribute to the implementation of a task system for embedded devices (apu2, quatom and raspberry pi).
- Design and improve several data models using Django and PostgreSQL.

Canadian National Railway

R&D ENGINEER INTERN

Montreal, Canada

Apr. 2019 - Aug. 2019

- Design a fault-tolerant infrastructure using the MQTT messaging protocol to communicate with locomotives.
- Design a python application to sort, transform and transport the logs of an application to a centralized server.
- Improving data ingestion on Azure Cloud using Python, Event Hubs and Data Explorer (Kusto).
- Awarded the Generations Scholarship.

Savoir-Faire Linux

INFRASTRUCTURE, CLOUD AND SYSTEM ARCHITECTURE ENGINEER INTERN

Montreal, Canada

Jan. 2018 - May 2018

- Contribute to the implementation of new Linux systems (Ubuntu, CentOS and RedHat).
- Improving and implementing system monitoring with Grafana and Shinken.
- Obtaining Red Hat Certified Specialist rank in Ansible Automation.

Likuid

SYSTEM ADMINISTRATOR

Mirabel, Canada

Feb. 2016 -

- Perform maintenance and respond to outages on Linux servers.
- Implementation of an automated backup system to an offsite server with bash, rrsync, ssh, cron and rsnapshot.
- Complete automation of new cPanel servers installations with Ansible.
- Design and deploy an highly available infrastructure with Keepalived, MariaBD Galera Cluster, cPanel and HAProxy.

Education

ÉTS (École de technologie supérieure)

BACHELOR OF INFORMATION TECHNOLOGY ENGINEERING

Montreal, Canada

Sep. 2017 - Apr. 2021

- Final project: Encrypted network traffic analysis to detect cyber attack behaviors.

Montmorency College

TECHNIQUE IN COMPUTER SCIENCE - SPECIALIZATION: NETWORK MANAGEMENT

Laval, Canada

Sep. 2014 - Apr. 2017

- Achievement: Award of Excellence for the best final presentation.
- Final Project: Design a network infrastructure using VMware ESXi, Samba, Centos and Apache.

Skills

DevOps Ansible, Puppet, Docker, Vagrant, Gitlab, Grafana, Nagios, Heroku, Gcloud, AWS, Azure.
Programming Python, Django, Flask, GraphQL, Bash, Perl, C, NodeJS, Java, ReactJS.
Languages French, English

Implications

Hackfest 2016 Participation

PARTICIPANT

Quebec, Canada

Nov. 2016

- Gather students to participate in the event.
- Seek funding from different committees.