



## Samuel Blais-Dowdy

DevOps Engineer at Epic

☾ I will code you the moon ☾

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## A 🌐 Languages

🇫🇷 French - Native

🇬🇧 English - Fluent

🇪🇸 Spanish - Intermediate

## + 🎮 Hobbies

💻 Programming

🏒 Ice Hockey

🤖 Robotics

🎾 Tennis

🍺 Microbreweries

🏋️ Working Out

## 👤 About Me

DevOps Engineer with Linux, Kubernetes, Docker and Go experience. My long term goal is to work as a Robotics Engineer, because I love team work, I am hypercurious and I need to be challenged on a daily basis. To help me reach my objective, I recently completed the Reinforcement Learning Specialization offered by Coursera and just enrolled in the Udacity Deep Reinforcement Learning Nanodegree.

## 🔧 Projects

### Archsugar

Bootstrap, provision and fully maintain an high-end modular archlinux system with Go & Ansible

### Rust arduino elegoo

Rewriting the Elegoo Super Starter Kit tutorials in Rust

### Resume

Generate and publish my resume with Hugo, Bootstrap, jQuery, Font Awesome and Github Pages.

## 🛠 Skills

🐧 Linux   </> Go   🐳 Docker   </> Bash   gitGit   🐍 Python

🏗 Kubernetes   🚢 Gitlab   </> Makefile   📖 Ansible

🔄 gRPC   📝 Microservices Design   🧠 Reinforcement Learning

🦀 Rust   🔗 GraphQL   🧠 Deep Learning

🤖 Robotics   📱 Arduino

## 📁 Experience

### DevOps Engineer - Epic

08/2020 - Present · 4 months

- Maintain and troubleshoot k3s kubernetes clusters using RKE and Rancher
- Develop and deploy HTTP Go microservices on kubernetes, using helm and docker
- Monitor kubernetes cluster and applications using Prometheus, Grafana and Splunk
- Lead project to integrate k8s monitoring and logging with Splunk ITSI

### DevOps Engineer - Bell Canada

05/2019 - 03/2020 · 10 months

- Delivered a pipeline for a monolithic Django web application using Gitlab CI, Ansible roles and systemd services
- Delivered a pipeline and helped to migrate the Django monolith to a microservices architecture, using Go, Gitlab CI, docker swarm and Ansible roles
- Performed production shutdown maintenance
- Configured alpine containers for production

### Security Analyst - Bell Canada

05/2018 - 05/2019 · 12 months

- Performed analysis and escalation of security threats in collaboration with Senior Security Analysts
- Participated in high-impact cybersecurity incident response and wrote report for management
- Helped improve our Use Cases by providing feedback to Threat Hunters

- Used Arcsight SIEM along with other security tools (Nmap, traceroute, OpenSSL, Wireshark, F5 WAF, vendor dashboards, Radware, Arbor, etc)

## Teaching Assistant - University of Montreal

01/2018 - 05/2018 · 3 months

- Prepared weekly cybersecurity labs for graduate and undergraduate students
- Gave two lectures on symmetric/asymmetric cryptography
- Helped student perform a full exploitation of a Vulnhub VM, from fingerprinting, to exploiting a PHP server, and finishing with Linux privilege escalation
- Demonstrated and explained popular security tools

## Education

### B.A. in Computer Science and Mathematics

2015-2018 - University of Montreal

### B.A. in Accounting

2012-2015 - University of Quebec in Abitibi-Temiscamingue

## Certifications

### Reinforcement Learning Specialization

Coursera

Issued 11/2020 · No Expiration Date

### CKA: Certified Kubernetes Administrator

The Linux Foundation

Issued 11/2020 · Expires 11/2023

### Modern Robotics, Course 2: Robot Kinematics

Coursera

Issued 11/2020 · No Expiration Date

### Modern Robotics, Course 1: Foundations of Robot Motion

Coursera

Issued 10/2020 · No Expiration Date

### Applied Plotting, Charting & Data Representation in Python

Coursera

Issued 04/2020 · No Expiration Date

### Introduction to Data Science in Python

Coursera

Issued 04/2020 · No Expiration Date

### LFCS: Linux Foundation Certified Systems Administrator

The Linux Foundation

Issued 11/2019 · Expires 11/2022

### Docker Certified Associate

Docker Inc.

Issued 12/2019 · Expires 12/2021