



Samuel Blais-Dowdy

DevOps Engineer at Epic

☾ I will code you the moon ☾

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🗨️ 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. I am currently investing a lot of my personal time to master gRPC, protobufs and microservices patterns.

🔧 Projects

[Star archsugar](#)

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

[Star rust-arduino-elegoo](#)

Rewriting the Elegoo Super Starter Kit tutorials in Rust

[Star resume](#)

Generate and publish my resume with Hugo & Github Pages

🛠️ Skills

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

🏠Kubernetes   🚢Gitlab   `</>`Makefile   📖Ansible

🔗gRPC   🏗️Microservices Design

🦀Rust   🔗GraphQL

🤖Robotics   📱Arduino

📁 Experience

DevOps Engineer - Epic

08/2020 - Present · 3 months

- Maintain, deploy and monitor kubernetes clusters
- Help developers with their Go microservices projects, by providing advice, best practice tips and doing pair programming
- Lead project to integrate k8s monitoring and logging with Splunk ITSI
- HTTP microservices development in Go

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

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

Coursera

Issued 10/2020 · Expires Never

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

Coursera

Issued 04/2020 · Expires Never

### Introduction to Data Science in Python

Coursera

Issued 04/2020 · Expires Never

### 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