Samuel Blais-Dowdy

DevOps Engineer at Epic

☐ I will code you the moon ☐

✉ samuel.blaisdowdy@protonmail.com
 github.com/sugarraysam
 linkedin.com/in/sugarraysam

🧰 Skills

🐧 Go 🐳 Bash git 🐍

Kubernetes 🐙 Makefile Ansible

gRPC Microservices Design Patterns

🅑 GraphQL

Robotics Arduino

🅰🈓 Languages

French :: Native
English :: Fluent
Spanish :: Intermediate

🎮 Hobbies

☐ Programming

☐ Ice Hockey

◉ Robotics

☐ Tennis

☐ Microbrewery Hunting

☐ 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

💼 Experience

DevOps Engineer - Epic

Start: 08/2020

End: Present

- 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

Start: 05/2019

End: 03/2020

- 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

Start: 05/2018

End: 05/2019

- 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

Start: 01/2018

End: 05/2018

- Prepared weekly cybersecurity labs for graduate and undergraduate students
- Gave two lectures on symmetric/assymetric 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

Obtained: 10/2020

Expires: Never

[Applied Plotting, Charting & Data Representation in Python](#)

Coursera

Obtained: 04/2020

Expires: Never

[Introduction to Data Science in Python](#)

Coursera

Obtained: 04/2020

Expires: Never

[LFCS: Linux Foundation Certified Systems Administrator](#)

The Linux Foundation

Obtained: 11/2019

Expires: 11/2022

[Docker Certified Associate](#)

Docker Inc.

Obtained: 12/2019

Expires: 12/2021