Samuel Blais-Dowdy

DevOps Engineer at Epic

☾ I will code you the moon ☾

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🔗 sugarraysam.github.io
⌾ github.com/sugarraysam
in linkedin.com/in/sugarraysam

🄰🄱 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

Deep Reinforcement Learning ND

Implemented DQN with Prioritized Experience Replay and A2C with GAE for continuous control as part of the Deep Reinforcement Learning Nanodegree from Udacity

CoderPro in Python

Solving popular interview questions in Python, with space and time complexity analysis.
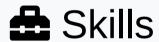
CoderPro in C++

Solving popular interview questions in C++, with space and time complexity analysis.
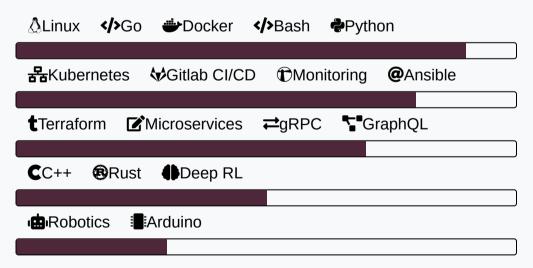
My Online Resume

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

Rust on Arduino

Rewriting the Elegoo Super Starter Kit tutorials in Rust

🧰 Skills

🐧Linux </>Go 🐳Docker </>Bash 🐍Python

🖧Kubernetes Gitlab CI/CD Monitoring @Ansible

tTerraform Microservices ⇄gRPC GraphQL

CC++ Rust Deep RL

🤖Robotics Arduino

🧰 Experience

DevOps Engineer - Epic

08/2020 - Present · 5 months

- Maintain and troubleshoot kubernetes clusters using RKE and Rancher
- Develop and deploy HTTP Go microservices on kubernetes, using Helm and Docker
- Pioneer our adoption of Terraform to write our k8s infrastructure as code, defining best practices and contributing guidelines
- Wrote and deployed a multi-cluster monitoring solution using the Prometheus operator stack
- 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/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

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