



Samuel Blais-Dowdy

DevOps Engineer at Epic

☾ I will code you the moon ☾

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🔗 sugarraysam.github.io

🐙 github.com/sugarraysam

🌐 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

📦Terraform 📄Microservices ⚙️gRPC 🔍GraphQL

🇮🇹C++ 🦀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/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](#)

