

DAVID VOICU

SECURITY ENGINEER | INFOSEC WARRIOR | TECH ENTHUSIAST

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EXPERIENCE

Security Engineering Intern 📅 May - August 2022

Twitch

- Owned and spearheaded a campaign to reduce security debt across the company in regards to access and entitlement violations, leading to a 90% reduction in security violations for the campaign, and mitigating risk at the company level.
- Collaborated with teams across the company to assess infrastructure security risk and establish best practices for cloud infrastructure through the use of VPCs and IAM controls.
- Assessed and presented vendor products through proof-of-concepts in order to inform leadership on products which can bolster our security posture through mitigating secrets in source code.
- Established new company-wide standards and policies in order to comply with PCI DSS's security guidelines and ensure compliance.

Software Engineering Intern 📅 May - August 2021

Twitch

- Worked within a fast-paced and critically important environment as a member of the Twitch Security team to deliver guidance and internal software tools to solve and prevent security incidents.
- Architected and designed a de novo Golang library for the management of secrets, such as API keys, that led to a 90% reduction in implementation time for managing secrets in projects, incentivizing proper security practices.
- Organized and led projects to bolster security education for future interns through the development of training modules covering key security concepts and best practices.

Full Stack Developer Co-op 📅 May - December 2020

IBM Canada

- Developed and maintained tools for IBM Cloud DevOps services using a full stack development philosophy, working across the entire system architecture, from backend to front end, designing and developing.
- Harnessed Node, React/Redux, and Java on the tech stack in order to create high-performance, optimized and scalable code to be run across the globe.
- Emphasized security and designed applications in a "security-first" manner in order to preserve crucial and sensitive information for clients.
- Led an effort to re-write legacy back-end code using deprecated frameworks and develop them in modern Node using a performance and security focused design.

EDUCATION

Carleton University

Bachelor of Computer Science

📅 September 2017 - Present

10.25 Major CGPA

SKILLS

</> Programming languages

JavaScript Java Python Golang

>_ Frameworks and Infrastructure

Node.js NoSQL React.js Redux

🖥 Other skills

AWS S3, EC2, DynamoDB, VPC, IAM

Virtual Machines UNIX DevOps

CI/CD Kubernetes Docker

HACKATHONS

McHacks 2018 - McGill

Winner of Best Security Hack

weCU - Hardware that uses the GSM network communication of sensor data without the need of power or wifi!

Hack the 6ix 2018 - Toronto

Winner of CTF Challenge

Completed and placed first in the Cyber Security Capture the Flag Challenge at TopHat HQ.

Hack the North 2018 - Waterloo

Participant

CUHacking 2018 - Ottawa

Participant

EXTRACURRICULARS

OWASP Carleton

Co-Founder and Treasurer

Executive of the Carleton Chapter of the Open Web Application Security Project (OWASP). Delivered presentations on the topic of web security, exploits and how to prevent common security mistakes.