

# JOSHUA RAMPERSAD

INFRASTRUCTURE ENGINEER

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## Skills

### Technical

Kubernetes  
Terraform  
CircleCI  
AWS/GCP  
Rust  
C/C++  
Typescript/Javascript

### CI/CD

Automated test and deployment pipelines with platforms such as CircleCI  
GitHub Actions

### Leadership

Leadership developed from running window cleaning business and directing 2 theatre productions

### Communication

Adept at cross-team collaboration from working on teams at every level of the stack

### Languages

Bilingual in English and French

## Work Experience

### Infrastructure Engineer

2021 - Present

Voiceflow

- Managed and optimized production Kubernetes clusters, reducing compute costs by 55%
- Automated common developer tasks using CI/CD tooling (GitHub Actions and CircleCI)
- Implemented CLI tools to streamline development and deployment workflows
- Researched novel tooling and approaches to optimize architectures on cloud providers

### Software Developer

2021

1Password

- Developed for the 1Password browser extension in Rust and Typescript (React)
- Triaged and fixed issues affecting the extension on all major browser platforms

### Software Engineer

2020

Uken Games

- Developed for Armoury & Machine 2 with Unity Engine for iOS and Android
- Implemented advertisement caching strategy that resulted in a 64% increase in ad revenue per user
- Collaborated with designers to implement new user-facing features and tooling

### Game Systems Programmer

2020

Behaviour Interactive

- Developed for Dead By Daylight with Unreal Engine on PC, PS4, and Switch
- Wrote backend Node.js REST API functionality in Typescript

### Instructional Support Assistant

2019

University of Waterloo

- Supported instructors and over 300 students enrolled in CS 246
- Taught over 30 hours of tutorials on Object-Oriented C++ development
- Wrote and maintained Bash and Python scripts to facilitate management of course resources and software

## Education

### University of Waterloo

2017-2022

Honours Bachelors of Computer Science  
Minor in Music

## Activities and Interests

### Music

Classical Trumpet  
Baritone Voice  
Classical Piano

### Theatre

Shakespeare Troupe  
Musical Director  
Community Theatre

### Advocacy

Municipal Campaign  
Resident Panelist  
City Council Delegation

### Open Source

Rust Standard Library  
Yew Web Framework  
Bevy Game Engine