JOSHUA RAMPERSAD
INFRASTRUCTURE ENGINEER

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Skills

Technical

Kubernetes

Terraform

CircleCI

Rust

C/C++

Typescript/Javascript

Python

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
Voiceflow
2021 - Present

- Managed and optmimized 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
- Investigated and documented novel tooling and approaches to optimize processes

Software Developer
1Password
2021

- 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
Uken Games
2020

- 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
Behaviour Interactive
2020

- 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
University of Waterloo
2019

- 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
Honours Bachelors of Computer Science
Minor in Music
2017-2022

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