SEAN
BEHAN

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contact@seanbehan.ca @
seanbehan.ca 🔗

EXPERIENCE

Apr. 2021 - Oct. 2021

Frontend Web Developer • AssetDash
- Engineered a new, responsive website utilizing Next.js, TypeScript, React, and Firebase
- Resulted in a 15% decrease in bounce rate and 20% increase in user engagement.

Oct. 2019

Assistant Automation Coordinator • Elections Canada
- Maintained uptime of the computer systems of Elections Canada during 2019 Federal Election
- Worked with a team of 10+ people

May 2018 - Apr. 2020

IT Student Advisor • Trent University Information Technology
Assisted students and faculty with various tasks:
- Laptop support at the Library front desk (Windows, Mac)

Sept. 2019 - Apr. 2020

AVROD Intern • Trent University Information Technology
Responsible for building web store using Django and MySQL

Nov. 2018 - Jan. 2019

Computer Science Python Tutor
Tutored grade 12 students in Python

EDUCATION

Peterborough, ON
2016-2023

Trent University
Honours B.Sc. Computer Science

Pickering, ON
2012-2016

Dunbarton Secondary School
High School Diploma

PERSONAL PROJECTS

ⓞ CloudFlare Workers Telegram Bot ☆ 270+
Serverless Telegram Bot on CloudFlare Workers, written in TypeScript. Utilizes Webhooks and different AI models: Llama, Mistral.

ⓞ Pastebin-R2
Implemented a serverless Pastebin application using Cloudflare Workers and R2 (S3 storage), enabling storage of 5,000+ code snippets with zero downtime incidents.

ⓞ Discord Bot
AI Discord Bot on a Cloudflare Worker. Uses Cloudflare Workflows to retry on failures and minimize downtime. Currently has 100% uptime.

ⓞ SpotTube
Browser extension for Chrome and Firefox utilizing Web Extension API to get relevant YouTube link for currently browsed website. 5 star rating on the Mozilla Addons store.

AWARDS AND CERTIFICATES

🏅 Overleaf Most Interesting Talk Award at Trent Mathematics and Statistics Conference 2019

🏅 Project Management Award at Trent University's Electric City Hacks Hackathon 2016

🏅 Ontario Worker Health and Safety Awareness Certificate

🏅 Amazon Application Developer Certification from AWS Educate

EXTRA CURRICULAR

Jan. 2024 - Present

Sysadmin and moderator of mstdn.ca
Moderate Posts across the entire Fediverse (Mastodon)
Manage the instance when necessary

Nov. 2018 - Present

Moderator of /r/TrentUniversity
Moderate and Approve Posts on Reddit for the Trent University Community

Sept. 2019 - May 2020

Trent Computer Science Society
President of Trent Computer Science Society

Nov. 2016 - Nov. 2019

Electric City Hacks
Participant (2016), Volunteer (2017), Organizer (2018), and Director (2019)

Nov. 2018 - Nov. 2019

Trent Innovate
President and Founder of Trent Innovate

Sept. 2019 - Apr. 2020

Trent Game Development
On the executive team of Trent University Game Development

SKILLS

PROGRAMMING LANGUAGES

Expert:
- JavaScript & TypeScript
- Rust
- Python
- Nix
- ReactJS, Next.js, Svelte 5
- Shell

Intermediate:
- C#
- SQL
- LaTeX

OPERATING SYSTEMS

Linux, 11 years total:
- Ubuntu
- Mint
- Arch
- Gentoo
- Debian
- Void
- Fedora
- Alpine
- NixOS (current)

APPLICATIONS

Expert:
- Git
- Docker/Podman/Systemd
- Cloudflare Workers

Intermediate:
- Amazon Web Services
- Libvirt/KVM/QEMU
- Microsoft Office

INTERESTS

- Serverless Computing
- Declarative builds
- Linux Kernel Development
- Artificial Intelligence

WORK SKILLS

- Leadership
- Communication
- Time Management

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