

# Stephen O'Neil

## Full Stack Web App Dev

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[github.com/Stephen-O'Neil](https://github.com/Stephen-O'Neil)  
[github.com/TBS-EACPD/infobase](https://github.com/TBS-EACPD/infobase)  
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Ottawa, Ontario

- Honours B.Sc. Physics-Mathematics, uOttawa
- **Senior JavaScript developer, full stack** at Treasury Board of Canada Secretariat (TBS)
  - ~4.9 years front end — React, Lodash, Sass, ESNext
  - ~1.7 years back end/DevOps — Node, GraphQL, MongoDB, Google Cloud, Docker, CircleCI
- E.g. **GC InfoBase** ([canada.ca/gcinfobase](https://canada.ca/gcinfobase)), a SPA React frontend backed by a serverless GraphQL API, offering data vizualization and exploration vectors

## Developer

- *Prefer done right, right now, over done yesterday. The "done yesterday" mindset is opposed to "still works tomorrow".*
  - Me, on my resume
- JS expert, HTML & CSS proficient. Framework of choice React. Strives to make ethical and user-centric design decisions, from performance to A11y
- ECMAScript proposal watcher, excited for the pipeline operator and optional chaining + nullish coalescing. Ride the wave of JS progress!
- Generally borrows heavily from the functional paradigm, prefers declarative APIs (internally), and loves formulating robust data-driven control-flow
- Environment of choice is VS Code and command line tools. Most at home with Linux or Posix (macOS) systems
- Git and GitHub fan, with years of experience using, and helping others to learn, the tool & service

## Extracurricular

- Unix nerd, [github.com/ Stephen-O'Neil/.dotfiles](https://github.com/Stephen-O'Neil/.dotfiles)
- Local tech meet-ups
- Reading novels (Sci-fi, fantasy) & comics (web, indie)
- Listening to music (misc, often synth-y) & podcasts (comedy, tech)

## Operations

- Strong believer in DevOps, personally bringing both the "Dev" and the "Ops" to bear whenever able (and fighting for it when not)
- Automation and Bash scripts! Getting fancy with CI! Dev tooling! Easy & safe deploys! It's gratifying to build *and* a solid project investment

## Security

- Pushing *from* the left, bringing security-by-design to the design stages of Dev and DevOps tasks
- Staying up-to-date with SecOps and AppSec news and best practices through blogs, mailing lists, podcasts, and the local OWASP meet-up

## Curriculum Vitae

- **09/2017 - Ongoing** — Senior JavaScript Developer, Expenditure Management Sector (EMS), TBS
  - Responsible for the GC InfoBase source code, at ~57,000 lines of JS. Implementing new features and guiding junior devs' while ensuring continued maintainability. Constantly oiling the machine
  - Building backend components for the main SPA, including a GraphQL data-fetching API and an email backend (obviating mailto:)
  - Hiring, supervising, and mentoring of CO-OP students; 7+ to date
  - Architecting and administering project DevOps
    - E.g. transitioned hosting from a static file server administered by a separate team to a self-administered cloud hosting setup, bringing the deployment process from days to minutes and providing a real backend + flexible & faster hosting. All for negligible operating costs!
  - Championing for code standards, code review, testing, CI/CD, and Open Sourcing/working in the open
  - Providing a security audit function within the team, identifying more real risks and sensitive bugs than our IT security's commissioned App scans
- **01/2015 - 09/2017** — Developer/Junior Analyst/CO-OP Student, Office of the Chief Human Resources Officer (OCHRO), TBS
  - Developed and maintained HR portions of the GC InfoBase
  - SQL, SAS, Java. Responded to ad-hoc requests for government-wide HR data, automated the periodic ones
- **09/2012 - 04/2017** — Honours Bachelour of Science, Physics-Mathematics with CO-OP, University of Ottawa
  - Founding president of uOttawa Computational Physics Club
  - Dean's Honour List 2014-2015 (for an annual GPA of 8.5+)

► Night-time walking