Stephen O'Neil
Full Stack Web App Dev

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github.com/Stephen-ONeil
github.com/TBS-EACPD/infobase
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➤ Honours B.Sc. Physics-Mathematics, uOttawa

➤ **Senior JavaScript developer, full stack** at Treasury Board of Canada Secretariat (TBS)

  ➢ ~4.8 years front end — React, Lodash, Sass, ESNext

  ➢ ~1.6 years back end/DevOps — Node, GraphQL, MongoDB, Google Cloud, Docker, CircleCI

➤ E.g. **GC InfoBase** (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 speed 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-ONeil/.dotfiles

➤ Local tech meet-ups

➤ Reading novels (Sci-fi, fantasy) & comics (web, indie)

➤ Listening to music (misc) & podcasts (comedy, tech)

➤ Night-time walking

Operations

➤ Strong believer in DevOps, personally bringing both the "Dev" and the "Ops" to bare whenever able (and fighting for it when not)

➤ Automation and Bash scripts! Getting fancy with CI! Serverless microservices! Easy & safe deploys! It's rewarding and fun.

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

  ➢ Maintaining the GC InfoBase front end source code, at ~50,000 lines of JS. Implementing, and guiding junior Devs' implementation of new features while ensuring continued maintainability

  ➢ 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

  ➢ Championing for code standards, code review, testing, CI/CD, and Open Sourcing/working in the open

  ➢ 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, gaining more flexible, faster hosting & a real backend, and doing it all for negligible hosting costs

  ➢ Providing a security audit function within my team, identifying more, and more relevant, 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 OCHRO's 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

  ➢ Dean's Honour List 2014-2015 (for an annual GPA of 8.5+)

  ➢ Founding president of uOttawa Computational Physics Club