

# Stephen O'Neil

## Full Stack Web App Dev

(613) 867-7727

[github.com/Stephen-O'Neil](https://github.com/Stephen-O'Neil)  
[github.com/TBS-EACPD/infobase](https://github.com/TBS-EACPD/infobase)  
[Stephen.Levi.ONeil@gmail.com](mailto:Stephen.Levi.ONeil@gmail.com)

Ottawa, Ontario

- Senior developer, full stack
  - ~6.9 years frontend
  - ~3.7 years backend & DevOps
- Currently lead on GC InfoBase ([canada.ca/gcinfobase](https://canada.ca/gcinfobase)), a React client backed by a serverless GraphQL API, presenting government data to the public through visualizations and exploration tools
- Honours B.Sc. Physics-Mathematics, uOttawa (2017)

## Skill Highlights

- **Languages**
  - JavaScript & TypeScript – HTML5 – CSS & Sass – sh & Bash – Python 3
- **Libraries & Frameworks**
  - React – GraphQL (E.g. Apollo) – Lodash – Webpack – Jest – Express.js – Mongoose – Django
- **Tools, Platforms, & Environments**
  - git – VSCode – Docker – CircleCI – Google Cloud – MongoDB Atlas – Unix & POSIX systems
- **Other**
  - Architecture – UI/UX – A11y – Hiring, supervising, and mentoring – Interfacing with management and partners

## As a Developer, I...

- *Prefer done right, right now, over done yesterday. The "done yesterday" mindset is opposed to "still works tomorrow".*
  - Me, here, on my resume
- Strive to make ethical and user-centric design decisions, from performance to accessibility
- Value developer experience and project velocity, but not at the compromise of maintainability or user experience
- Continuously seek to invest in my skills, both tech & soft
  - I keep up with 60+ web dev blogs & news letters in my free time. Sunday morning habit

## Curriculum Vitae

**09/2017 - Ongoing – Senior Developer**, Expenditure Management Sector (EMS), Treasury Board of Canada Secretariat (TBS)

- Emergency developer loan, built the tool used for centralized tracking of COVID-19 related expenditures across all government departments
  - Quickly learnt Python, Django, an existing internal platform's code & environment, and the business needs; began implementation by day 6
  - Individually developed the new collection tool off the existing platform, with robust user and admin workflows, meeting a tight 3 month target
  - Contributed refinements to the existing platform's testing patterns
- Lead GC InfoBase developer since Summer 2018, responsible for the project's technical direction, overall design, and developer talent
  - Iterating on and maintaining the large React frontend
    - E.g. wrote an accessible search typeahead capable of displaying mixed local/async results, replacing an unmaintained and less flexible library
  - Building backend microservices to support the main application
    - E.g. built a flexible form template service, used to collect, validate, store, and alert the team across multiple lines of user feedback
  - Architecting and administering infrastructure and operations
    - E.g. transitioned hosting from a static file server administered by an external team to cloud hosting & an internal DevOps culture. Brought the deployment process from days to minutes while providing a capable backend + flexible & faster hosting
  - Developing tooling and practices as multipliers on team productivity
    - E.g. CI deployments of full, per-branch, development builds for quicker feedback and review cycles
  - Championing code standards, review practices, testing, CI/CD, and working in the open
    - E.g. convinced colleagues and upper management of the benefits to going open source; awarded in recognition of the impacts one year on
  - Hiring, supervising, and mentoring of junior developers and students
    - Supervised 10 students to date, 5 of which have returned for subsequent terms with 2 joining the team upon graduation

**01/2015 - 09/2017 – Student**, Office of the Chief Human Resources Officer, TBS (alternating full time CO-OP terms and part-time contracts)

- Developed early HR portions of GC InfoBase. Self-taught JS/HTML/CSS, git, and the code base itself to do so, despite isolation from core dev team

**09/2012 - 04/2017 – Honours Bachelour of Science in Physics-Mathematics**, University of Ottawa