Stephen O'Neil
Full Stack Web App Dev

github.com/Stephen-ONeil
github.com/TBS-EACPD/infobase
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Ottawa, Ontario

➤ Senior developer, full stack
  ➤ ~6.9 years frontend
  ➤ ~3.7 years backend & DevOps

➤ Currently lead on **GC InfoBase** (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)

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

➤ git
➤ VSCode
➤ Docker

Platforms

➤ CircleCI
➤ Google Cloud
➤ MongoDB Atlas

Curriculum Vitae

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

➤ Lead GC InfoBase developer since Summer 2018, responsible for the project's technical direction, overall design, and developer talent
  ➤ Iterating on and maintaining the project's large React frontend
    ▷ E.g. wrote an accessible typeahead search capable of displaying mixed local & async results, replacing an unmaintained and less flexible external 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 juniour developers and students
    ▷ Supervised 10 students to date, 5 of which have returned for subsequent terms with 2 joining the team upon graduation

➤ On an emergency placement, 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

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