Cody Scott
http://siecje.github.io/
cody.j.b.scott@gmail.com

Education

Honours Bachelor of Science, Computer Science   Sept. 2010 - Apr. 2015
Lakehead University

Work Experience Giatec Scientific Inc.

Lead Software Developer   Jan 2022 - Present
Manager of Software Development   Feb 2020 - Jan 2022
Senior Web Developer   Jan 2019 - Feb 2020

- Improved IoT device security with signed boot and custom initramfs to use LUKS2 encrypted filesystem
- Implemented updates via multiple boot partitions
- Developed third party integrations for SmartMix https://www.giatecscientific.com/products/softw
- Managed SmartRock Mobile App (Android and iOS) and Giatec 360 software teams
- Infrastructure

    - Kubernetes, helm, Docker
    - Microsoft Azure Cloud
    - GitLab CI, GitHub CI

- Backend

    - Python, NodeJS
    - Django, Express, Flask
    - REST, GraphQL
    - PostgreSQL
    - Drizzle ORM, Sequelize
    - Axios
    - Testing: Pytest

- Frontend (Giatec 360, SmartMix)

    - TypeScript
    - Angular, React
    - Testing: Cypress

Perspexis Technologies Inc.
Programmer (Employee #2)   July 2015 - Dec 2018

- Implemented RPC API with custom TCP protocol
- Implemented Desktop GUI Application with Qt and QML
- Managed hosting and backup solution for virtual machines, leveraging qcow2 and ZFS
- Backend

    - Python
    - Flask, XMLRPC, REST
    - Linux, Postgres, Beanstalkd, Redis
    - Testing: Python unittest, Pytest
    - GUI Testing: Ranorex

- Jenkins
- Frontend

  - Python
  - PyQt5, Qt QML
  - Webix JavaScript Framework

Golden Spear
Backend Developer (Contract)   June 2015

- Created internal web application to plan and assemble training material
- Backend implemented in Django
- Frontend built with Bootstrap
- PostgreSQL Database
- Node.js application for online store

  - PhantomJS
  - Testing: Mocha
  - Worked with Captain Crunch (John Draper)

Wind River Systems
Full Stack Developer   Jan. 2013 - May 2015

- Developed a webscraper to index online products using PhantomJS
- Implemented an API to fetch product information using Sails.js
- Created Internal and Customer Facing Websites

  - Python, Django, Flask
  - JavaScript, NodeJS, AngularJS
  - Testing: Pytest
  - GUI Testing: Eggplant
- Administered Linux Servers

  - SSH, Email, LDAP
  - Databases (MySQL, SQLite, PostgreSQL, MongoDB)

Technical Skills   **Languages:**
- Python, JavaScript, Bash

Technologies:
- PostgreSQL

- NodeJS

- Django, Flask

- git, Mercurial

- Linux

- Kubernetes, Docker

- Angular

- Ranorex GUI Testing

- Eggplant GUI Testing

Open Source

heatpump-cost - Compare costs of a heat pump to other heating sources.

nginx-auth-proxy - Authentication for multiple services using nginx.

qml-explorer - A Debug Console for Qt QML.

loud-clips - Create a highlight reel of the loud parts of a video.

htmd - Write Markdown and Jinja2 templates to create a website.

hashword - Password Manager.

Meetups and Conferences

- Regular member of Ottawa Python Meetup
- PyCon US
- PGCon in Ottawa, ON, Canada
- Startup Weekend Thunder Bay