

Sheldon Coates

519.939.3299 • sjrcoates@gmail.com • [Portfolio](#) • [GitHub](#) • [LinkedIn](#) • [Cypher Web Development](#)

Experience

Backend Developer, Java, CassandraDB, Angular 7+

Rogers Communications, Brampton ON (July 2019 – Present)

- Manage application deployments to QA environments for testing.
- Develop backend enhancements to an application used by call center and retail representatives.
- Support QA testing and represent agile team for production support.
- Streamlined a process for raising deployment requests by developing a tool in Selenium for all agile teams to use.
- Created an integrated development testing environment for developers to test application integration before deploying changes to QA.
- Developed a scheduled process that checks the integrity of production data from multiple data sources. This ensured that any data issue would be dealt with in a timely manner and with minimal impact.

Founder & Lead Developer

Cypher Web Development (November 2019 – Present)

- Provide clients with web development solutions, web maintenance, mobile application solutions, SEO, analytics and security.
- Schedule and lead client meetings to gather requirements, showcase prototypes, and discuss contract details.
- Develop web-based solutions and custom websites from the ground up to fulfill client needs.
- Manage client Shopify stores by creating products, configuring apps, altering emails and customizing website templates.
- Budget project costs, estimate completion times and effectively communicate technical project aspects to clients.

Programmer Analyst Co-op, Java, Spring Boot, SQL, DB2

Scotiabank, Stratford ON (May 2018 – August 2018)

- Reworked legacy HR application to be read-only, enabling a smooth transition from legacy application to new HR portal for users.
- Developed a scheduled process to identify and remove inactive user accounts, removing redundancies and speeding up query times to improve UX.
- Developed an analytics tool from scratch for reporting detailed request statistics. Displayed what pages the users were visiting, how many users went there and if the request was successful or not. Allowed system admin to determine which pages were unnecessary and could be removed from the application.

Projects

- **Dolphin, JavaScript, Python, Chirp.io (Awarded best API use at Hack Western 5)**
E-wallet that allows you to transfer money through sound with no connection of any type.
- **eMotional, HTML, CSS, JavaScript, Python, Flask, Keras, Tensorflow (Awarded most innovative project)**
Fourth year capstone project that can predict human emotion through vocal input using machine learning techniques.
- **Generate-Traffic, Python, Selenium**
Bot created to generate website traffic and increase Google page rank by posing a user from a random location, visiting the website for a short period of time, then leaving the site and repeating the process as another user from another random location.
- **PhatChat, HTML, CSS, JavaScript, Socket.io, Node**
Anonymous chat app where users can login with a username and create numerous chatrooms accessible by anyone also using the app. Implements web workers for string management and is built with a JS + HTML/CSS front-end with a node back-end.
- **NASA Application, MongoDB, Express, Angular, Node**
Angular 4 application developed using a MEAN stack. The app allows users to create an account along with photo collections of NASA images. Uses bcrypt password encrypt and email verification. Accesses the NASA API to display image search results to the user.
- **Workout Randomizer, React-Native**
Created in React-Native for iOS devices. Application to randomize your workouts with exercises for each muscle group.

Skills

- **Languages:** Java, JavaScript, Python, VBA, C++, C#
- **Database:** DB2, MongoDB, SQL, CassandraDB
- **Technologies:** Angular 7+, Spring boot, jQuery, Express, Node, React-Native
- **Tools:** Eclipse, IntelliJ, RAD, Unity, VS, VS Code, Heroku, Wireshark, Slack, Trello, Jira, Bamboo
- Work with MEAN stack
- Software Development Life Cycle
- Version control - Git
- REST APIs
- Web development
- iOS & Android development
- Effective collaborator & communicator
- Agile & scrum methodologies
- Automation
- Machine learning experience

Education

- **Bachelor of Software Engineering Science, University of Western Ontario**
London, ON (September 2015 to April 2019)

Activities

- Indie Hacker
- Hackathons

References available upon request.