Sheldon Coates

sjrcoates@gmail.com • 519.939.3299
Portfolio • GitHub • LinkedIn

Experience

- **Scotiabank, Java, Spring Boot, SQL, DB2**
  Programmer Analyst Co-op, Stratford ON (May 2018 – August 2018)
  - Reworked legacy HR application to be read-only. Allowed for a smooth transition from legacy application to new HR portal for users which allowed me to develop strong problem-solving skills and resourcefulness.
  - Developed a scheduled process to identify and remove inactive user accounts. This removed redundancies and sped up query times, making ux better.
  - As a fast and committed learner, developed an analytics tool from scratch for reporting detailed request statistics. Displayed what pages the users were going to, 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.
- **Tradium Mechanical, HTML, CSS, JavaScript**
  IT (managed company website), Orangeville ON (December 2017 – January 2018)
  - Reworked the company website from the ground up.
  - Created, indexed and formatted company handbook of employee policies with attention to detail.
  - Reported directly to the president in a professional manner, worked independently and with discipline.

Skills

- **Languages**: C++, C#, Java, JavaScript, Python, VBA, Swift
- **Database**: DB2, MongoDB, SQL
- **Technologies**: Angular, Ember, Spring boot, jQuery, Apache, Express, Node, React, React-Native
- **Tools**: Android studios, C9, Eclipse, IntelliJ, RAD, Sublime, Unity, VS, VS Code, Heroku, Wireshark, Slack, Trello, Jira

- Work with MEAN stack
- iOS and Android development
- Software Development Life Cycle
- Version control - Git
- REST APIs
- Web development
- Microsoft Office
- Machine learning experience

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.
- **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 bcrpyt 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.

Education

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

Activities

- Hackathons

References provided upon request