

Russell Clarey

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2B Software Engineering

SKILLS

LANGUAGES

JavaScript (ES6), Java, C++, C, Ruby, Python

WEB DEVELOPMENT

React, Redux, Socket.io

BACKEND DEVELOPMENT

Express.js, Node.js, Ruby on Rails, MySQL, MongoDB

TOOLS

Git, Webpack, Vim, Kakoune

EDUCATION

SOFTWARE ENGINEERING

University of Waterloo
2015 – 2020

AWARDS

CERTIFICATE OF ACHIEVEMENT IN COMPUTER SCIENCE

September 2014

INTERESTS

Web development
Science fiction novels
Video games
Japanese language
Movies

EXPERIENCE

MITRE MEDIA, Web Developer

Toronto, ON

Ruby on Rails, JavaScript, MySQL

January – April 2017

- Developed custom financial tools across many of the company's 7 web apps
- Led the design and development of a custom internal tool to enable navigation menus to easily be edited for all 7 web apps
- Rebuilt and refactored legacy PHP tools into new Ruby on Rail stack
- Reduced load speeds on a popular tool by refactoring it into a static page that updates asynchronously with AJAX
- Extended and improved various frontend components, such as allowing rows in table components to be dynamically locked based on user state

CANADA COMPANY, Web Developer

Toronto, ON

Java, JavaScript

May – August 2016

- Developed and successfully launched 3 new microsites to provide a targeted experience for each user type
- Implemented functionality for dynamic user forms
- Extended backend Java API to allow for compatibility with the new microsites
- Designed and began development of an email preference system for users

PROJECTS

CLOUDCODE

August 2016 – present

React, Express.js, Node.js, Socket.io

A real-time collaborative coding web app that enables multiple users to work on a single file at the same time. All changes are automatically saved to the file owner's account, so files persist between sessions. It has features such as tabs, file/folder tree view, and dialog forms.

PLAYUR

June 2016 – present

React, Redux, Express.js, Node.js

A music streaming web app that utilizes the Youtube Data API, and SoundCloud API to collect music content and make it available to a user. It provides functionality such as managing user accounts, creating and customizing playlists, and search filtering.