**Ricky** Wang

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**Professional Summary**

4+ years of experiences on software development.

Deep understanding of functional programming and object-oriented programming paradigms and design patterns.

Efficiency and quality ensured in phases of SDLC including requirement analysis, design, development and production maintenance.

Extensive knowledge in developing single-page applications(SPA).

Experienced in writing full stack applications to interact with RESTFUL APIs and web services.

Passionate in advancing existing applications, upgraded and modified multiple projects to achieve higher performance.

**Skills**

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| --- | --- |
| **Web Technologies:** HTML5, CSS3, XML, XHTML, SASS, JavaScript, Bootstrap, Redux, JQuery, JSON, Node JS, React JS, Express JS  **Back-End Languages:** Java, Spring Boot, Python | **Mobile Development:** Android Studio  **Development Tools:** Visual Studio, Visual Studio Code, Eclipse, SpringToolSuite4, MySQL Workbench 8, Git |

**Projects Experiences**

**Spacestagram Project: Image-Sharing from NASA API December 2021 – January 2022**

* Created a Restful web application by using Node.js as back end and React.js as front end to consume NASA's free API.
* This application is build into a web application that can pull images and allow users to “like” and “dislike” their favorite images.
* Programmed to fetch data from the API and display random images and their descriptions.
* Added loading state during waiting time.
* Implemented a date-picker to browse images from specific date.
* Increased performance by data caching.

Technologies Used: Restful Web Service, HTML, CSS, JSON, JavaScript, React JS, Node JS, Express JS, Visual Studio Code

**Blog Posts Project: Information Retrieval and Posting May 2021 – September 2021**

* Created a Restful web service to fetch data from an API by using Java Spring Boot framework
* Capable of receiving query parameters from routes.
* Capable of fetching and filtering data based on query requirements, then return and display the query result as a JSON object.
* Multiple webpages were implemented to fit different query types and needs.
* Input validation was used to prevent incorrect input parameters and check HTTP status.
* Implemented Error handling .
* Performed unit testing with 10+ test cases.
* Upgraded the application by performance boosting.
* Increased performance up to 63% by caching results on server.

Technologies Used: Restful Web Service, Java/J2EE, Spring Boot, HTML, CSS, JSON, JavaScript, FTP Manager, Spring Tool Suite, Postman

**Personal Portfolio Website on GitHub – HTML/CSS + React JS**

* Built a personal portfolio website with HTML, CSS and React JS.
* The website is well-functioning with plenty of animations
* Implemented location viewing function(Google Map).
* Some small add-ons such as react-typical were used to help with visual effects.

Technologies Used: HTML, CSS, JavaScript, Visual Studio Code, GitHub

**Education**

Bachelor of Science: Computer Science **Expected in 04/2022**

Ryerson University Toronto, ON

**Websites, Portfolios, Profiles**

* **LinkedIn:** <https://www.linkedin.com/in/ricky-wang-55a05b165/>
* **GitHub:** <https://github.com/theneverends>
* **Personal Portfolio Website:** <https://theneverends.github.io/>

**Certifications**

**JavaScript Algorithms and Data Structures Certification**

[*https://www.freecodecamp.org/certification/theneverends/javascript-algorithms-and-data-structures*](https://www.freecodecamp.org/certification/theneverends/javascript-algorithms-and-data-structures)