

# Rajanbir Singh

Software Developer, 4<sup>th</sup> year Student, Graduating SU 2021

✉ [singh.rbir@gmail.com](mailto:singh.rbir@gmail.com)    **Ph:** 204-955-5272

🌐 [rajanbirsingh.com](http://rajanbirsingh.com)

🐙 [github.com/singh-rbir](https://github.com/singh-rbir)

🌐 [linkedin.com/in/singh-rbir](https://linkedin.com/in/singh-rbir)

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## Work Experience

### ○ Back End Java Developer - Intern

Walletifai Inc. (startup) | *Aug 2020 – present*

- Worked in a team of 3 to build **RESTful API** for a financial Mobile Application
- Using **Java 8, Spring Boot, Spring MVC, Servlet, Hibernate, MySQL, JDBC**
- Utilized high degree of **SQL** proficiency to slash recurring queries run time by **30%**
- Integrated “**Plaid**” API to handle user’s financial info and proposed design solutions
- Implemented webhooks to instant fetch users’ transactions data
- Implemented **server-side caching** mechanism to improve response time

### ○ CS Student Tutor

York University, Toronto | *Jan 2019 – Jun 2019*

- Instructed up to 10 students in basic **Web Development, JavaScript, HTML, CSS**.
- Co-ordinated **lab instructions**.
- Provided anonymized class reports.

## Projects

### ○ Mom&Pop bookstore (Eshop)

- [Website](#) | [Github](#)

- Developed full stack, online application using **ReactJS, Axios** (front-end), **Java Spring Boot** (back-end) and **IBM DB2 database**
- Scalable **web app**, handles user signup/login, cart, shop, payment, admin functionality
- Heroku/IBM cloud deployment link: [4413-frontend.mybluemix.net](https://4413-frontend.mybluemix.net)

### ○ Voice Alarm (Android app)

- [Playstore](#) | [Github](#)

- A unique Alarm Clock app that requires the user’s voice input to dismiss the alarm.
- Technologies: **Java, SpeechRecognizer API**, integrated **MySQL, Android frameworks**

### ○ Grades Alerter (Tool)

- [Github](#)

- Automatically checks and notifies if new grades have been posted for courses.
- Technologies: **Java, Selenium WebDriver** (for automation)

### ○ Brick Breaker (Game)

- [Website](#) | [Github](#)

- Online game made using Javascript and HTML Canvas



## Technical Skills

- **Back-End**
  - Java • Spring Boot • JDBC • C/C++ • Javascript • JQuery • JSON, XML • Relational Databases (SQL Proficiency) MySQL, IBM Db2
- **Front-End**
  - HTML 5 • (S)CSS • Bootstrap • ReactJS • Axios
- **Tools**
  - IntelliJ • VSCode • Eclipse • Postman • Version control (Git) • Vim
- **Frameworks/Other**
  - Android Development Frameworks • JUnit • Selenium (Web automation & testing) • Protractor (Angular Testing) • Jasmine



## Education

### York University

*Toronto, ON | 2017 – present*

#### Bachelor's in computer science, Honors

- Advanced Object-Oriented Programming (Java, C++)
- Data Structures and Algorithms, Design and Analysis
- Database systems, Data mining
- User Interfaces, Responsive Web Development
- Building E-commerce systems ...and more.



## References

*Available upon request*