

Sid Bajaj

Front-End Developer – React JS – Angular JS

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 **Education** Bachelors of Honors Computer Science [2018-23], University of Waterloo

 **Work Experience**

Front-End Developer Ruby [Jan - April, 2020]

- ▶ Developed Knowledge Base / FAQ section for web application built using React library using Redux for global state management and Redux Sagas for handling async side effects
- ▶ Implemented Accessibility best practices and singlehandedly, got application to meet Level AA Compliance; increased Accessibility scored measured by Lighthouse metric by approximately 30% on each page.
- ▶ Refactored class components to functional components using React 17 Hooks and Context API in Typescript

Software Developer In Test EllisDon [May - Aug, 2019]

- ▶ Automated 100-150 UI End-to-End test cases using Selenium WebDriver and organized them using Page Object Model Architecture.
- ▶ Automated API unit and integration tests for 3 services using Rest Assured.
- ▶ Engineered integration and unit test suites for services in Golang via Ginkgo testing framework.

 **Relevant Projects**

JRental JS, Go

- ▶ Developed a full-stack CRUD web application that connects jewellery renters with potential rental options.
- ▶ Implemented on React framework using Redux for global state management and MongoDB with Go Gin-Gonic framework to handle route management.

RAINET C++

- ▶ Developed a 2D multiplayer game, with graphical and text displays, where players take on the role of computer hackers.
- ▶ Made heavy use of software design patterns, such as the observer pattern and the decorator pattern, and idioms such as non-virtual interface, model-view-controller architecture, and pointer to implementation

Magic Match Top 10 Finalists Hack The 6ix | JS, Python

- ▶ Developed front-end and trained model of AI chatbot application that uses NLP [Microsoft's Luis AI] to implement Semantic Analysis on user responses and organize them into suitable hackathon groups with their highest compatibility scores calculated.

Waterloo Rover Robot C++, ROS

- ▶ Developed publisher and subscriber node programs to retrieve and publish required linear and angular position / velocity data points for arm nodes using Robot Operating System [ROS] middleware.

Relevant Courses

- ▶ CS 246 - Object Oriented Programming 83%
- ▶ CS 136 - Elementary Algorithm Design and Data Abstraction 82%
- ▶ MATH 235 - Linear Algebra 2 87%
- ▶ STAT 230 - Probability 81%