Sid Bajaj

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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 with WCAG Guidelines; increased Accessibility scored measured by Lightouse 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.

RAIINET 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.

Technical Skills

Programming Languages Javascript, Java, Typescript, C++, Go, Python

Markdown HTML5, CSS, LaTeX

Tools Git, Bash, JIRA

Frameworks React JS, Angular JS