Sid Bajaj

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🔧 Summary of Technical Skills

- **Programming Languages**: Javascript, Java, Typescript, C++, Go, Python
- **Markdown**: HTML5, CSS, SCSS, LaTeX
- **Tools**: Git, Bash, JIRA, SQL
- **Frameworks & Libraries**: React JS, Angular JS 2.0, Redux, Node JS, Express JS, MongoDB, GinGonic

💼 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 microservices 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.

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