

Abhay Menon

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EXPERIENCE

Software Development Student

May 2022 – Present

BlackBerry

Waterloo, ON

- Developed new web interfaces using AntD v3 and React.js to improve user experience
- Embraced the Agile development methodology with the help of Jira
- Worked on AntD v4 migration for a TypeScript + React web application
- Helped in enhancing login speed from more than 1 minute to less than 23 seconds
- Increased the efficiency of input components by debouncing API calls
- Minimized prop drilling using Redux and React Contexts
- Developed a global fallback UI for catching component render errors using React error boundaries

Product Developer Assistant

Sep 2021 – Dec 2021

Cloudspark Technology Labs

Remote

- Worked on responsive designs for application dashboards using Material UI and TypeScript
- Implemented API integration using TypeScript, Flux architecture, and Cloudspark's APIs
- Developed QA test plans using Azure DevOps
- Maintained the React documentation website for Cloudspark's applications
- Created stored procedures in CosmosDB that automated deletion of data projections

PROJECTS

SyncSketch | *React.js, TypeScript, Socket.io, Express.js*

Dec 2021 – Present

- Developed a web application that allows multiple users to share a whiteboard online
- Used WebSocket connections to pass information about every user's mouse positions
- Implemented rooms and canvas saving features using MongoDB

Heyo! | *React.js, JavaScript, Firebase, Material UI*

May 2021 – June 2021

- A full-stack web application that allows users to post pictures with descriptions
- Used Firebase authentication for login and account registration
- Stored posts and comments as JSON data in the Firebase realtime database
- Enabled users to post pictures, stored as Blobs in Cloud Firestore
- Built front-end using Material UI

Course Buddy | *React.JS, JavaScript, Material UI, Styled Components*

Apr 2021 – May 2021

- A full-stack course planner web application for computer science students at the University of Waterloo
- Used Firebase for authentication and storing selected courses

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, TypeScript, C, C++, C#, Racket, Bash, SQL

Libraries and Frameworks: React.JS, Node.js, Express.js, Material UI, Axios, Gatsby.js, Mongoose, Redux, Redux-thunk

Developer Tools: Postman, MongoDB, Firebase, Unity 3D, VS Code, Linux

EDUCATION

University of Waterloo

Waterloo, ON

Candidate for Honours Bachelor of Computer Science

Sep 2020 – Present