

Syed Raza Abbas

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Skills

Web: TypeScript React Express.js Node.js HTM, CSS, and Javascript PHP

Programming Languages: Python Java

Databases: MongoDB PostgreSQL Neo4j

Technologies: Git Linux Tools Docker Heroku

Projects

BookCase

MongoDB, Express.js, React, Node.js, TypeScript

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- The application features user registration/authentication and uses the Google Books API for getting information on books by their ISBN (user input), and to make recommendations based on the user's library of books
- Redux is used for state management in the frontend along with TypeScript and React.
- The app is hosted on Heroku's free tier so it might take some time to load up from hibernation.

TicTacToe

MongoDB, Express.js, React, Node.js

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- An OOP TicTacToe game where a user can pick between 3 modes of playing. The user can play against a player on the same browser, play against a computer with 3 different levels of difficulty, or play against a friend from anywhere in real time with web socket communication.

Carden

Express.js, React, Node.js, Redux, Agile Development

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- A web app that lets users create interactive cards to send to their friends and family.
- Was responsible for integrating front end and backend with regards to user registration, login, and profile management.

Vive: Multiplayer Tank game

React, Node, Express, WebSockets, PostgreSQL, MongoDB

- A multiplayer tank shooting game where players can spawn in a game with other players and different levels of bots
- The app uses web sockets for real time communication between the client and the server.

Paint Program

Java, Git, SCRUM

- Implemented new features to existing code base, using design patterns such as the Factory, and Visitor design patterns.

Othello Game

Java, Git, SCRUM

- Implemented an interactive Othello game in an agile team with effective design patterns to make the app more efficient.

Education

University of Toronto

HONOURS BACHELOR'S OF SCIENCE

SEP. 2017 - NOV. 2021

- Honours Bachelor of Science (HBS) in Mathematics and Computer Science.