

RAHUL MULCHANDANI

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SKILLS

Languages	JavaScript • HTML • CSS
Technologies	React • Node JS • Express • MongoDB • Vite • Jest • Git • Github • Webpack • Postman

PROJECTS

Trading API

- Created a full-stack mock retail trading application for users to buy and sell stocks for gains and losses
- Built an ExpressJS API that calls on Marketstack API to deliver current stock data to a React front-end
- Delivered stock price history to users in ChartJS over standard intervals (daily, weekly, monthly)
- Implemented a portfolio schema with Mongoose that tracks realised gains/losses for stock positions
- Integrated current stock price to calculate unrealised gains and losses and up-to-date portfolio value

Blog API

- Designed a full-stack blogging application for users to blog and comment on the London music scene
- Implemented stateless JWT user authentication with PassportJS strategies and bcrypt hashing
- Developed a RESTful ExpressJS API for CRUD operations on posts and comments from the front-end
- Created a React front-end where visitors can browse posts and sign up or log in to create them

Shopping Cart

- Built a React front-end mock merchandise store application for the NBA franchise Toronto Raptors
- Integrated dynamic text, video playback, and a photo slideshow into the store home page
- Delivered the information of user's cart items between components through prop drilling state
- Designed router to accommodate multiple navigation bars for a streamlined user experience

Battleship

- Developed a Javascript application for a web-based human versus computer version of Battleship
- Designed a multi-axis ship placement function for users to set the game board
- Implemented a play loop function that alternates opponent turns until one's ships have all sunk
- Created a function for the computer to target eligible neighbouring squares after a successful hit

WORK EXPERIENCE

Account Manager	IDM Professional Corporation CPA	2019 - Present
<ul style="list-style-type: none">• Managed a team of 4 employees to develop corporate and personal tax returns correctly• Researched and published complex tax filing positions for clients with U.S.-Canadian dual citizenship• Completed courses in financial reporting, corporate finance, taxation, and management accounting		
Production Manager	Salflex Polymers	2017 - 2019
<ul style="list-style-type: none">• Managed the production cycle of automotive plastics from raw material input to finished product• Identified areas of improvement in production paperwork, created and integrated optimised forms		
3D Laser Scanning Technician	TSC Inc.	2016 - 2017
<ul style="list-style-type: none">• Conducted laser scans of buildings, and used collected data to design fascia panels• Quickly learned and used construction principles to complete design work under tight deadlines		

EDUCATION

Hamilton, ON	McMaster University	2011 - 2016
<ul style="list-style-type: none">• Bachelor of Engineering in Mechanical Engineering.		