

# RAHUL MULCHANDANI

London, UK | 07879681742 | mulcharv@gmail.com | Portfolio Site

## SKILLS

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

## PROJECTS

### Trading API - Link | Github

- 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 update portfolio value

### Blog API - Link | Github

- 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 - Link | Github

- 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 cart items between components through prop drilling state
- Designed a router to accommodate multiple navigation bars for a streamlined user experience

### Battleship - Link | Github

- 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

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

## EDUCATION

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