

# Justin Carter

## Full Stack Software Engineer

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## TECHNICAL SKILLS

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**Front End** | JavaScript, React, D3, HTML, CSS

**Back End** | Node.js, Express, MongoDB, mocha/chai (testing)

**Cloud** | AWS S3, AWS Route 53, AWS CloudFront; AWS Certified Cloud Practitioner

**Other** | Ubuntu Linux, git (PRs, merges, branches), vim, Postman

## SOFTWARE ENGINEERING APPLICATIONS

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**Full-Stack Software Engineer** | Stock Quote Webpage

2022

*React Front-End with Express Back-End Stock Price Retrieval Page*

JavaScript | React | D3 | Node.js | Express

- Built an original project that connects to the Alpha Vantage API and retrieves stock price closing prices for user company input for the past 20 years, interpreting the JSON response and dynamically plotting the result on a chart with 5,000+ data points (chart built using D3).
- Built also a symbol lookup function based on parsing a local CSV file from NASDAQ with 8,000+ company securities so the user can match a familiar company name with its matching stock symbol.
- Designed the entire front-end using React with internal links working via React Router.
- Implemented back-end using Express to pass along API key securely as part of Axios request.
- **GitHub:**
  - Back-end with React production build - <https://github.com/Justinmemphis/stock-quote-server>
  - Front-end - <https://github.com/Justinmemphis/stock-quote-webpage>
- **Live website:** <https://stock-quote-server.justinmemphis.repl.co/>

**Cloud Engineer** | [justinmemphis.com](http://justinmemphis.com)

2022

*Personal portfolio / project website*

AWS S3 | AWS Route 53 | AWS CloudFront | HTML | CSS

- Designed and hosted my personal website on an Amazon Web Services S3 bucket with Route 53 routing to a secure CloudFront distribution.

**Back-End Software Engineer** | Metric/Imperial Unit Converter

2022

*Unit Conversions with Unit and Functional Testing*

JavaScript | Node.js | Express | Mocha/Chai

- Implemented conversion logic, routing, unit testing, and functional testing for unit conversion webpage.
- **GitHub:** <https://github.com/Justinmemphis/metric-imperial-converter>
- **Live website:** <https://metric-imperial-converter.justinmemphis.repl.co/>

**Back-End Software Engineer** | Exercise Tracker

2022

*Exercise Tracker server that stores input in MongoDB database*

JavaScript | Node.js | Express | MongoDB

- Utilized MongoDB to create a database allowing each user to create a new exercise user and then create exercises attached to that user.
- Implemented an exercise log function where the user can request a list of all exercises stored by the user in the database.
- **GitHub:** <https://github.com/Justinmemphis/boilerplate-project-exercisetracker>
- **Live website:** <https://boilerplate-project-exercisetracker.justinmemphis.repl.co/>

**Front-End Software Engineer** | JavaScript Calculator

2021

*Basic Calculator in React*

JavaScript | React

- Developed appearance and functionality of a webpage that can perform basic mathematical functions based on user input.
- **GitHub:** <https://github.com/Justinmemphis/Javascript-Calculator>
- **Live website:** <https://codepen.io/justinmemphis/full/RwozmXd>

## WORK EXPERIENCE

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### Various Finance and Accounting Roles

2011-2022

- Managed and reviewed work of individual contributors working on discrete projects (tax returns).
- Worked directly with small business owners on their accounting systems and adjusted reporting to their needs.
- Obtained both Certified Public Accountant (CPA) and Certified Financial Planner™ designations.

## EDUCATION AND CERTIFICATIONS

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**Amazon Web Services** - Certified Cloud Practitioner

2022

**FreeCodeCamp** – Certifications Completed:

Back End Development and APIs

2022

Data Visualization

2021

Front End Development Libraries

2021

JavaScript Algorithms and Data Structures

2020

Responsive Web Design

2020

**University of Memphis** – M.S., Accounting

2013

**University of Tennessee, Knoxville** – B.A., English

2005

## COMMUNITY ACTIVITY

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**Local Organizations** - involved with Code-Connector, memtech, DevMemphis

## OPEN SOURCE ACTIVITY

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**Hacktoberfest 2022** - Four pull requests for Code-Connector github accepted and merged