

Brian Manchester

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Full stack developer who is a hard worker and strong communicator, who believes in well-designed, clear, and efficient code, and who has a commitment to continual learning.

SKILLS

Node.js, JavaScript (ES6+), TypeScript, React, Redux, Next.js, Angular, Relational (SQL) and Non-Relational (Mongo) Databases, REST APIs, GraphQL, Unit Testing (Mocha and Chai), Material-UI, Agile

EXPERIENCE

Software Developer

November, 2017 - Present

NDSL, Raleigh, NC

As a full stack developer in an Agile development environment, I have worked on several areas of two of the company's main applications: one featuring a Node.js, TypeScript stack and the other a Go, GraphQL, and Angular stack.

- Using Angular, Angular Material, Bootstrap, GraphQL, and more, I have created several UI components and views that are responsive, data-rich, and intuitive.
- Using the principles of OOP, I have designed and coded multiple classes for our Node.js application, many of which, on the back end, are responsible for key data management components of the application.
- Using Express, I have built several endpoints for CRUD operations.
- Using Sequelize and raw SQL, I have written many methods to perform CRUD operations.
- Using ExtJS, I have created a variety of UI components, like tables or forms with validation, some of which make different CRUD requests.
- Using Handlebars, CSS, and Bootstrap, I have created a clear, sleek, responsive, and data-rich feature of the application.
- Using Mocha and Chai, I have written many unit tests.

Co-Founder and Lead Front End Engineer

January, 2019 - Present

List Turtle™

As a full stack web developer, I have designed and built a robust front end, complete with server-side rendering, for this application that lets users browse lists, create lists, copy lists, publish lists, and more. The stack features React, Redux, Next.js, and Material-UI. See the app at www.listturtle.com.

- Using React, I have built several components, creating reusable ones whenever possible. At the beginning, I built the app with a mixture of class and functional components, the class ones making use of React's lifecycle methods and component state. Of late, though, I have been building only functional components that make use of React's hooks and self-authored hooks. I have likewise undergone the process of converting older class components over to functional components with hooks.
- Using Redux, I have constructed a globally accessible data store for connected components. I have used actions and reducers to set and update this store. I have implemented Redux-Thunk middleware to assist with actions that require asynchronous operations, such as CRUD requests.
- Using Next.js, I have enabled dynamic routing, server-side rendering, and more.
- Using Material-UI, I have built a UI this is beautiful, responsive, and intuitive.

EDUCATION

Coding Boot Camp at The University of North Carolina, Chapel Hill, NC

August, 2017

UNC Coding Boot Camp — Javascript Full Stack Web Development — Certificate

An intensive 24-week boot camp focused on building web applications. The course involved a deep study of JavaScript, Node.js, and several technologies and libraries that enable the creation of full stack applications.

Duke University, Durham, NC

May, 2013

Master of Divinity — *Magna Cum Laude* — GPA: 3.829

Biola University, La Mirada, CA

May, 2009

Bachelor of Arts in Biblical and Theological Studies — *Summa Cum Laude* — GPA: 3.956

Accolades:

- Graduated in top ten of my class (faculty ranking) in the Torrey Honors Institute (a Classics program)

PERSONAL APPLICATIONS

Doppelgänger

- An app for expanding your universe. Built with Node.js, Express, React, MongoDB, Passport.js, and Socket.io.
- <https://doppelgaenger.herokuapp.com/>

Truckin' Good

- A food truck search and rate app. Built with Node.js, Express, MySQL, and AWS S-3 for file storage.
- <https://still-sierra-11518.herokuapp.com/>

Aardvark

- A college debt analysis tool built to provide individuals considering college with a financial forecast. Data is provided via the College ScoreCard API and Firebase.
- <https://bmanch.github.io/aardy-look/>

OTHER EXPERIENCE

Mindspire Tutoring & Test Prep

08/2014 - 04/2016, 02/2017 - 09/2018

Premier Tutor, Curriculum Developer/Writer, School Liaison

- Led a curriculum design and curriculum writing project. Also designed and created marketing resources.
- Taught several SAT & ACT classes and privately tutored multiple students.

Duke University

09/2012 - 06/2013

Research Assistant

- Researched and gathered data on broad based community organizing (hereafter, “BBCO”) in London over a five year span. Organized the BBCO data into categories to assist the team in making visual displays of the data.

For more information on my experience, please visit www.linkedin.com/in/brian-l-manchester.

REFERENCES

Available upon request.