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 (SSR, routing, etc.), Relational (SQL) and Non-Relational (Mongo) Databases, REST APIs, OOP, 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 the company's Node.js, TypeScript application.
- Using the principles of OOP, I have designed and coded multiple classes, 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.

Lead Front End Engineer   July, 2018 - 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 list making and sharing application whose stack features React, Redux, Next.js, and Material-UI. The application is not yet live, but previews or code samples are available upon request.
- Using React, I have built several class and functional components, creating reusable components whenever appropriate so as to reduce technical debt. As for class components, I have leveraged React's lifecycle methods and component state to aid with management of the components.
- Using Redux, I have built a complex, yet simple Redux store, with which the action creators interact. I have used the Redux-Thunk middleware to assist with more complex actions, such as those that fire after CRUD requests (using Axios) are made.
- Using Next.js, I have enabled dynamic routing for the application, both client-side and server-side.
- 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.

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REFERENCES
Available upon request.