Kyle Foster

Dedicated javascript developer with a keen eye for detail.

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EXPERIENCE

Codestream Studios, Dallas, Tx — *Instructor*

2020 - PRESENT

Teaching high school aged students the basics of coding. I teach python classes and front end web development.

Freelance Developer, McKinney, Tx —

2018 - PRESENT

Built full stack applications for clients using React with MongoDb. Deployed sites to Heroku to for easy changes and metric tracking.

Reinforce, Austin, Tx — *Software Developer*

2019 - PRESENT

A startup company created using prize money from hackathon win.

Working on this project I learned to use React Native, AWS Lex, AWS lambda functions and how to make micro-services.

EDUCATION

SMU, Dallas, Tx — *Full Stack Web Development*

2018 - 2019

Learned the fundamentals of web development (html5,css3, js),version control (git), databases (mySQL, mongoDB), building servers using express.js. Using these skills to build full MERN stack applications and used Heroku for deployment.

Tech Talent South, Dallas, Tx — *Full Stack Web Development*

2019 - 2019

Learned software development using Java, SpringBoot, following the MVC pattern with TDD using JUnit.

Front End

React.js
HTML5
CSS3
JavaScript
jQuery
Bootstrap

Back End

Node.js
Express.js
MongoDB
MySQL

Additional Tech/Concepts

AWS – Lex, Lambda

Security – bCrypyt, JWT

Deployment – Heroku

Testing – Postman, Jest

Version Control – Git

Agile Methodology

Achievements

2019 Daimler Hackathon — *Member of winning team*

We had been asked to help with technician efficiency and help them improve their repair and maintenance process. So we created an app that used AWS Lex to serve as the voice assistant and use lambda functions to handle the step procedure. It also kept track of the time between steps to help understand where slowdowns happen and how to improve. At the end if the technician had completed the task before the standard time, they would be prompted to contribute as to how they did it faster.

Projects

MERN App Template — *Inspired by create-react-app*

A deployment ready MERN stack template. It comes with working CRUD functions that can be easily replicated and modified. This should allow developers to skip a lot of the project setup required to get the basics going. I tried to not add to many inintal dependencies so that the developer using it has more freedom.

MERN App Template with auth — *Modified Template*

A modified version of my MERN App Template for when user profiles and encryption of data is needed. Bcrypt is used for the hashing of data and json web token for authentication. Comes with login components and functionality.

Scion Matches — *SMU Group Project*

This was our final project to graduate from the SMU coding bootcamp. It is a full MERN stack app that allows people who want to be gestational carriers(gc) or intended parents(ip) looking for a gc to have a baby for them. We saw this as a really untapped market and we built an application to fill that void. We created a special algorithm that takes your survey answers and gives them weight. Then another algorithm we wrote to weight each answer to the given answers of the other users in the db to give you a match grade.