Tyler Rhodes

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Technical Skills

Front-end: Javascript, Typescript, HTML, CSS, SASS, JQuery, React, React Native, RESTful API development
Back-end: Node.js, Express, MySQL, PostGreSQL, MongoDB
Testing: Jasmine, Mocha, Chai, Jest, Cypress
Deployment: Docker, RDS, EC2, AWS Elastic-Beanstalk
Developer Tools: Git, npm, Webpack, Babel, Agile Methodology, TDD

Software Engineering Applications

Wevent | github | React, Node.js, Express, MySQL, Docker, Jasmine, Jest
Website for searching, creating and attending local events of interest
▫ Programmed an interactive filter that dynamically displays events on a calendar through the use of efficiently built CRUD requests
▫ Designed app architecture through the use of a top-level class component to hold and pass state from a central point.
▫ Implemented queries to a MySQL database that access and update user information.

aniME | github | React Native, React Native elements, Node.js, Express, MySQL
App for searching and saving anime to a list
▫ Constructed a search application using React Native which allows users to quickly and easily search for anime by keyword and save to a favorites list.
▫ Actualized logic which saves user queries, and dynamically renders a unique list of their saved anime with a junction table.
▫ Queried Jikan API to render data with conditional Axios requests.
▫ Implemented user signup, login, and authentication with React-Navigation and Bcrypt

Wowe's | github | React, Node.js, Express, MySQL, Docker, AWS Elastic Beanstalk, AWS RDS
World of Warcraft themed replica of the Lowe's item page
▫ Designed a scrollable product carousel with React and CSS which dynamically renders and animates related items from a search.
▫ Linked a MySQL database to a reverse-proxy server through AWS RDS and MySQL Workbench.
▫ Constructed RESTful API routes to dynamically query product information via Express.
▫ Deployed a reverse-proxy server through AWS Elastic Beanstalk which serves four full-stack React components and compiles into a dynamic web page.

Saskatchewanazon | github | React, Node.js, Express, MongoDB, postgreSQL, Artillery, Knex, Redis
Canada themed replica of the Amazon's item page
▫ Built three databases for the review/rating component of an ecommerce page.
▫ Implemented Knex to seed a database with ten million items in under one minute.
▫ Connected the client to built out MySQL, PostgreSQL and MongoDB databases in order to compare their behaviors and speed.
▫ Stress tested the RPS of both databases through an Express server and Artillery.

Education

Hack Reactor
▫ Advanced software engineering immersive   2019
Yale University
▫ Master of Musical Arts   2019
▫ Master of Music, Classical Guitar Performance   2018
The University of Texas at Austin
▫ Bachelor of Music, Instrumental Music Performance   2016

Leadership and Work Experience

Hack Reactor, Software Engineer and Instructional Staff   2020
Yale University, Secondary Lessons Teacher   2019
Inter-Cooperative Council, Vice-president   2016
Austin School for the Performing and Visual Arts, music theory and classical guitar teacher   2014