

Tyler Rhodes

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Technical Skills

Front-end: Javascript, Typescript, GraphQL, HTML, CSS, SASS, JQuery, React, React Native, Bootstrap, 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

Audiodub

- Software Engineer 2020-

Hack Reactor

- Software Engineer and Instructional Staff 2020

Yale University

- Secondary Lessons Music Teacher 2019

Inter-Cooperative Council

- Vice-President - board of directors 2016

Austin School for the Performing and Visual Arts

- Teacher - music theory and classical guitar 2014