

Libraries and Frameworks- Angular, React, D3, Backbone, Express, Mongoose, Grunt, HTML, CSS, Grunt, Gulp, Webpack, Sequelize, Git, K'nex, fetch, Material-ui, Q, Bluebird, Node, JQuery, Bcrypt, Bootstrap, Nodal, Axios, cloudinary, Docker, Docker compose, Docker swarm, Auth0, NodalJS

RESTful API's - Google Maps, Food2Fork, YouTube, GettyImages, Cloudinary

Databases - MySQL, SQLite, MongoDB, PostgreSQL,

Technologies - DigitalOcean, Heroku, AWS, Waffle.io Travis Ci

Recent Works

Breadcrumb

- *An interactive tourism app, that allows user to lead others on a trail, and provide fun hints and success content such as videos*
- Deployed to AWS, taking advantage of their easy Docker integration, S3 CDN availability and enhanced admin GUI
- Utilized Nodal to build api server integrated with PostgreSQL database for rapid CRUD setup and Auth0 token distribution
- Developed a service oriented architecture, linking together several servers between a proxy and database
- Coordinated http requests and nodal ORM to decrease server calls, and unburden the front end workload
- Provided development team a dev environment prior to deployment with Docker Compose
- Automated testing and deployment by combining Travis ci and Docker Compose

Spurr - <https://192.241.139.180:5000#!/confess>

-*A cathartic app that lets the user make confessions and release them, in return for someone's anonymous confession*

- Enhanced user experience by developing a sliding visualization bar to present choices replacing drop-down menus
- Utilized GettyImages API to obtain Oauth tokens and search for background images

What's Happenin'

-*A socialization app for instant activities. Find friends or other users and engage, with the help of google maps.*

- Integrated several components utilizing React's stately features to provide methods of communication
- Employed Google Maps ubiquitous geolocation API, providing users with location input and retrieval
- Used Material ui to build intuitive UI for complex data submittals and library of presentation styles
- Developed database using MongoDB to store complex data structures without needing multiple collections

CookBook

- *Cookbook and shopping list combined, for easy storage of recipes and shopping list creation with a click of the mouse.*

- Stored data using MongoDB, with Mongoose ORM for better readability and flexible data storage abilities
- Integrated Food2Fork API, populating the page with external data sets and user input search capabilities
- Deployed express server, and MongoDB, to DigitalOcean because of its provided MEAN stack droplets

Education

Operation Spark	Advanced Software Engineering Immersive Program	2017-present
Schlumberger	Well Construction training for Engineers Iv1, Laboratory Technicians - Iv.1, Iv.2	2012-2016
Falck Safety	Industrial/Offshore work related safety course	2014-2016
S. Louisiana University	Studied Nursing	2009-2012
Louisiana State University	B.S. Biological/Agricultural Engineering	2004-2009

Work Experience

Schlumberger - Offshore Field Engineer

- Performed Maintenance tasks, saving the company potentially hundreds of thousands of dollars 2014-
- Prevented a failing cement job by diagnosing contaminated fluids and enforcing adherence to procedure 2016
- Mitigated workplace injuries by conducting bodily injury prevention safety audits
- Prevented environmental related hazards with daily worksite audits
- As a member of Loss Prevention assisted in writing Hazard and risk analysis documents

Schlumberger - Laboratory Technician

- Tested well service fluids for QA/QC prior to infield utilization, preventing job failures
- Maintained HP/HT testing equipment saving cost in repairs and downtime 2012-
- Diagnosed a field bulk transfer mistake which would have resulted in a lost well, or blowout 2014

Personal

Mentored a group of young software engineers in a hackathon
Ask about how i fulfilled a lifelong goal to travel to Japan, or my first marathon