James Lovejoy

Fullstack Developer

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https://portfolio-react-jlovejo2.herokuapp.com/

Certificate in Fullstack Development from Northwestern School of Professional studies with Bachelor of Science in Mechanical Engineering from University of Illinois. Extensive technical experience gained from working as a mechanical engineer in a manufacturing setting and performing failure analysis on a variety of mechanical systems while working as a forensic engineer. Punctual, responsible, patient, and strong ability to problem solve.

PROJECTS

House Share App | deployed project: https://jlovejo2-house-share-app.herokuapp.com/
Github link: https://github.com/jlovejo2/Home_Share_App.git
This App simulates a home share app. Users can search, create, and book listings in various locations across the world. It uses apollo-graphql, mongoDB and Node.js for the back-end. Front-end is completed with React and Ant-design as a front-end framework. Payments are completed using Stripe.
- Typescript, Node.js, Apollo-GraphQL, MongoDB, React.js, CSS
- NPMs: Apollo-boost, Apollo-server-express, graphql, moment, react, react-apollo, react-router-dom, react-scripts, react-stripe-elements, typescript, body-parser, cloudinary, cookie-parser, express, googleapis, lodash.merge, mondodb, stripe, dotenv, nodemon, ts-node

Consilience | deployed project https://consilience-jlovejo2.herokuapp.com/
Github link: https://github.com/jlovejo2/Consilience.git
This app is an E-learning platform. There are two types of users: student & teachers. After login user is directed to a dashboard that renders the classes a user teaches and is a student in. Each classroom has its own individual page with the ability to add announcements and assignments to it as well as a gradebook that the teacher can only access. The full database of classes can be searched based on various search criteria.
- Joint Project Lead, back-end, front-end, debugger
- Javascript, Node.js, React.js, MongoDB, CSS
- NPMs: node, mongoose, material-UI, axios, express, jsonwebtoken, passport, dotenv, axios, bcryptjs, material-table, morgan, multer, animate.css,

Nutridish | deployed project: https://nutridish.herokuapp.com/
Github link: https://github.com/jlovejo2/Nutridish
This app allows users to create a secure login and search for recipes based on nutrient amounts or specific dietary labels such as 'high-protein' or 'peanut-free.' User will then have the ability to save the recipes to their account.
- Javascript, Node.js, handlebars, SQL, HTML, CSS, Bootstrap
- NPMs: axios, express, sequelize, mysql, mysql2, express, express-session, express-handlebars, dotenv, bcryptjs, passport, passport-local

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, TypeScript, Node.js

Frameworks/Libraries: jQuery, Node.js, React, Angular, Redux, Apollo, Sequelize, Mongoose, Handlebars, Bootstrap, Materialize, Bulma, Material-UI, Ant-design, Tailwind,

Database Management: GraphQl, MongoDB, SQL, PostgreSQL, AWS

Core Concepts: CRUD data persistence, Git and GitHub, command line, RESTful APIs, MVC design, PWAs, Compression, Webpack, Offline App functionality, Server-Side Rendering with NextJs, Headless WordPress

PROFFESIONAL EXPERIENCE

Freelance Developer July 2020 to present
Supporting Developer, Front-end, GraphQL queries to WordPress, NextJs TypeScript integration
- **CIMA Directory** | deployed directory: https://headless-wp-next-directory.vercel.app/
  Github link: https://github.com/DopamineDriven/headless-wp-next-directory
  This webpage is a directory for an alliance of media companies. All the information for the directory is generated from WordPress cards. The user can search the cards based on title, description, or pull all cards for a given category
  Headless WordPress,TypeScript, NextJs, GraphQL, React, Node, Tailwindcss, Vercel

Two Brothers Brewing Company, Warrenville, IL Dec 2018 to July 2020
Packaging Engineer
- Optimized maintenance schedule for can line and bottle line filler
- Created proper quality procedures on Heuft fill level detection system for can line filler
- Problem-solved solution for premature can corrosion.

Oracle Forensics, Phoenix, AZ, July 2015 to Aug 2018
Forensic Engineer
- Identified manufacturer & fan motor failure in series of attic & exhaust fan fires
- Honed problem-solving skills in forensic examination of multiple printed circuit board failures and household appliances failures such as microwaves, dryers, HVAC units, and fault currents associated with a neon sign
- Researched, examined, and determined cause of multiple Li-po battery failures
- Performed thorough examination of electrical wiring of fire scenes and determined causes from resistive heating conditions, GFCI failures and copper to aluminum splices
- 3.5 years of professional photography skills gained in both a lab setting (macro) and on the scene.
- Fully trained in taking and editing of radiography and fluoroscopy imaging technology.

Evoke Therapy, Bend, OR Aug 2014 to July 2015
Field Instructor
- Ensured the safety of clients by teaching and facilitating safe backpacking/camping skills, low-impact camping ethics, mindful practices, team building activities and group therapy.
- Role modeled healthy expression of emotion and appropriate behavior for clients
- Shared my passion for living a healthy outdoor lifestyle and educated clients on Leave No Trace principles
- Aided in the implementation of therapeutic programs with guidance from Therapists on staff.

EDUCATION

FullStack Development Northwestern School of Professional Studies Bootcamp Graduate – April 2020
Mechanical Design & Analysis P.E. test completion – October 2017
National Outdoor Leadership School Graduate – December 2009
Leave No Trace Master Educator – December 2009
Bachelor's of Science Degree, Mechanical Engineering, University of Illinois, Champaign, IL, 2010