James Lovejoy

Full-Stack Web Developer

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in Linkedin Profile

💼 Project Portfolio
○ Github Profile

Certificate in Full-Stack Web Development from Northwestern School of Professional Studies with Bachelor of Science in Mechanical Engineering from the 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

Nutridish
Deployed project: git.heroku.com/nutridish.git | Github link: github.com/jlovejo2/Project_2.git
This app allows users to create a secure login and search for recipes based on nutrient amount, or specific dietary labels such as 'high-protein' or 'peanut-free.' User will have the ability to save the recipes to their account.
- Group Lead, main back-end developer, front-end, debugger
- Javascript, Node.js, handlebars, SQL, HTML, CSS, Bootstrap
- NPMs: Axios, Express, Sequelize, MySQL, MySQL2, express, Express-session, express-handlebars, dotenv, Bcryptjs, Passport, Passport-local

Employee Database Management Tool
Project is a command-line app (see GIF in portfolio) | Github link: github.com/jlovejo2/Employee-Management-System.git
Create an app that allows the users to create and manage Employee Database. The database consists of three tables employee, role, and department. Menu consists of these options: View all departments, View all, roles, employees, employees by department, employees by manager, employees by role, managers, add/remove a department, add/remove a role, add/remove employee, update employee role, update employee manager
- Sole Developer
- JavaScript, Node.js, Handlebars, SQL, HTML, CSS
- NPMS: Node, MySQL, inquirer, figlet, asTable

Fitness Tracker
Deployed project afternoon-tundra-24604.herokuapp.com/ | Github link: github.com/jlovejo2/Fitness-Tracker.git
This app allows users to create a daily workout and then continuously add exercises to it throughout the day. The user can see their weekly statistics by clicking on the dashboard link.
- Group Lead, main back-end developer, front-end, debugger
- JavaScript, Node.js, MongoDB, HTML, CSS, Bootstrap
- Express, Mongoose, morgan

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, JSX, Python (currently learning)
Frameworks/Libraries: jQuery, Sequelize, Mongoose, Node.js, React, Handlebars, Bootstrap, Materialize
Database Management: MongoDB, MySQL, IndexedDB
Core Concepts: CRUD data persistence, Git and GitHub, command line, RESTful APIs, MVC design, PWAs, Compression, Webpacks, Offline App functionality

PROFESSIONAL EXPERIENCE

Two Brothers Brewing Company, Warrenville, IL, *Dec 2018 to Present*
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
- Exercised sharp critical thinking abilities to perform forensic and engineering work on major fire loss project involving fault currents associated with a neon sign.
- 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, and HVAC units.
- 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 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 Certificate Northwestern School of Professional Studies – 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