

# James Lovejoy

## Fullstack Developer

🏠 5511 Glenview Ave Downers Grove, IL

60517

☎ (630) 740-3285

✉ [james.lovejoy2@gmail.com](mailto:james.lovejoy2@gmail.com)

🐙 [Github Profile](#)

🌐 [Linkedin Profile](#)

📁 [Project Portfolio](#)

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

---

**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, JSX, CSS
- NPMS: node, mongoose, material-ui, axios, express, jsonwebtoken, passport, dotenv, axios, bcryptjs, material-table, morgan, multer, animate.css,

**Nutridish** | deployed project: <https://git.heroku.com/nutridish.git>

Github link: [https://github.com/jlovejo2/Project\\_2.git](https://github.com/jlovejo2/Project_2.git)

*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.*

- 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 commandline app (see GIF in portfolio)

Github link: <https://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

## TECHNICAL SKILLS

---

**Languages:** HTML, CSS, JavaScript, JSX, Python (currently learning)

**Frameworks/Libraries:** jQuery, Sequelize, Mongoose, Node.js, React, Redux, Handlebars, Bootstrap, Materialize, Bulma

**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

## PROFFESIONAL 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 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 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**