



# JERRY MCDONALD

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## Skills

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- PostgreSQL, MongoDB, MySQL + Sequelize
- React and Vue
- Node + Express, Socket.io
- Web design with Tailwind, Bootstrap, and Material UI
- Deployment on Google Cloud, AWS, and Heroku
- Testing with Mocha and Chai

## Developed Applications

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### Learning Resources Now (LRN)

*A community based video chat application designed specifically for education*

- Connected peers through socket.io for shared video, messages, and drawing.
- Enabled browser-based video communication via javascript APIs
- Designed an interactive whiteboard in React using HTML Canvas

### BarCrawl

*An application designed to help friends plan bar hops and keep track of each other*

- Tracked user locations via a Google Maps API, displayed in a Vue.js front end
- Combined Passport.js with Google OAuth to make sign up secure and easy
- Database development in MySQL using DBDiagram

### Organized Power

*A social networking platform allowing users to share current topics they feel passionate about*

- Developed a 'Slack' like comment system for fun and stylish communication
- Correlated data which led to efficient MySQL storage
- Created clean and responsive web pages with Tailwind

## Work Experience

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Eustis Engineering | Baton Rouge, LA

**Laboratory Manager**

01/2017 - 01/2020

- Assessed the subsurface conditions at hundreds of construction sites across Baton Rouge.
- Led the laboratory to acquire multiple AASHTO Accreditations for concrete and soil testing.

Nabors Drilling | New Iberia, LA

**Derrickhand**

01/2010 - 01/2017

- Coordinated the installation, maintenance and operation of oil field equipment across the gulf.
- Safely worked at heights of over 300 feet while handling drill pipe.
- Maintained the properties of the drilling fluid we used to prevent blowouts, ensuring the safety of over a hundred coworkers.

## Education and Training

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Operation Spark | New Orleans, LA

Software Engineering

Nicholls State University | Thibodaux, LA

**Associate of Applied Science** in Occupational Safety And Health Technology