

# Brian W. Boylen

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## EXECUTIVE SUMMARY

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Self-taught full-stack developer with a background as a chemical engineer in the energy industry. I am a quick learner and love working in fast-paced engineering environments.

## TECHNICAL SKILLS

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**Languages:** Javascript Typescript Ruby CSS/Sass HTML Python SQL

**Frameworks:** React Ruby on Rails Node.js (Express)

**Database:** SQLite PostgreSQL MongoDB

**Misc:** Git Docker Azure Devops

## PROJECTS

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### [Remixify](#) | Typescript/React/Express

- Fullstack app that “remixes” a user’s existing Spotify playlist by choosing different songs from the same artists
- Uses Spotify API to fetch/generate playlists and for OAuth sign in
- Users’ remixed playlists are stored on MongoDB database
- Implements a full CI/CD pipeline that tests the build before deploying to Heroku
- Fully responsive design that works on desktop and mobile

### [Fakebook](#) | Ruby on Rails

- Facebook clone with secure login and FB OAuth integration
- Data stored in a PostgreSQL database with an efficient database architecture that minimizes database calls
- Profile pictures uploaded to and pulled from AWS S3 database

### [Battleship](#) | React

- A Battleship game where user can play an AI opponent
- Used object oriented programming to design game classes
- Game logic fully tested with Jest

## OPEN SOURCE CONTRIBUTIONS

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### [Datahub](#) | Typescript/React

- Datahub is an open source metadata search and discovery tool
- Implement UI features & fixes in React components
- Use Apollo GraphQL to ensure correct data is queried and cached

## WORK EXPERIENCE

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### Lummus Technology, LLC

Process Engineer II

The Woodlands, TX

June 2019-Sept 2021

- Lummus Technology is a leading licensor of process technologies in the energy industry
- Created chemical simulations, designed new equipment, and write documents for issue to clients
- Led effort to validate a new release of internal software, using Azure Devops to manage the process
- Designed a first of a kind separation column for a new green process technology

## EDUCATION

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### University of Notre Dame

B.S. in Chemical Engineering

Notre Dame, IN

May 2019

### The Odin Project

Winter 2020 - April 2021

- An online curriculum that provides resources to learn full stack web development