

# RYAN MAHONEY - FULL-STACK SOFTWARE ENGINEER

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## SUMMARY

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Full-Stack software engineer with foundational knowledge in Javascript for front-end and back-end programming, React, HTML, CSS, API implementation, Node.JS, Express, PostgreSQL, and frameworks like Bootstrap. Seeking to apply practiced analytical and technical skills in a software development position that provides challenges while fostering personal and professional growth.

## TECHNICAL SKILLS

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**Frontend:** HTML, CSS, JavaScript, React, Typescript, Next.js, Chakra UI

**Backend:** Node.js, Express, RESTful APIs, PostgreSQL, Firebase

**Tools:** Mocha, Chai, Git, GitHub, Node Package Manager, Visual Studio Cod

## EXPERIENCE

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*Thinkful*

Online

### Software Engineering Program

01/2023 – 06/2023

- Learned software development industry best practices and standards in a full-time, five-month program.
- Completed modules and assessments while learning new languages and frameworks, and under the guidance of a senior software engineer in a mentor-student relationship.
- Completed several hands-on role-based and scenario-based projects and virtual labs designed to simulate real-world tasks and challenges.
- Produced professional projects from concept to completion including:
  - **Study Tool Application** | Thinkful | [Flashcard App](#)
    - Created an application that allows users to create, edit, and delete decks and cards within them.
    - Used REST APIs to allow user(s) to create, read, update and delete their perfect deck of study cards.
    - Defined routes and URLs, and used state over multiple components.
    - Technology: JavaScript, React, HTML and CSS with Bootstrap. Progress/Versions tracked with Git.
  - **Movie Database Application** | [GitHub](#)
    - Assembled the back end of a movie website allowing any user to search for their favorite movies.
    - Used CRUD methods for reviews, and view theaters and movies that are showing.
    - Applied router and controller functions to retrieve a user's specific requests.
    - Technology: Node.js, Express, and Knex. Version control with Git.
  - **Restaurant Reservation Application** | [Live Page](#) | [GitHub](#)
    - Full stack reservation and table management system.
    - Implemented react router and express to build a RESTful API in order to make HTTP requests for all of the reservation data stored on the connected PostgreSQL database.
    - Created CRUD functions and knex queries to handle data going to and coming from the database.
    - Used Git to track changes and versions while keeping sensitive information from being pushed to repositories.
    - Technology: React, Node.js, Express, Knex and PostgreSQL.

### Side Projects

- **Portfolio** | [Live Page](#) | [GitHub](#)
  - A portfolio webpage that allows users to see an About Me section, Projects section, and Contact Me section
  - Deployed with GitHub Pages using a custom domain from Google Domains
  - Technologies: React, React Router, ChakraUI
- **Reddit Clone** | [Live Page](#) | [GitHub](#)

- Full stack clone of the popular social media app Reddit
- Used CRUD functions to allow users to create and delete posts and comments as well as creating communities
- Implemented firebase for both backend storage using NoSQL as well as user authentication in order to allow users to sign up and log in
- Used the React state management library Recoil to keep track of many states used in this app such as:
  - current users votes, joined communities, and moderated pages
  - currently displayed community as well as its posts
  - currently displayed post as well as its comments
- Technologies: Typescript, Next.js, React, Firebase, Recoil, ChakraUI
- **3rd Party Obsidian Front Matter Plugin | [GitHub](#)**
  - Working with a UI/UX designer to make the front matter of the Obsidian note taking tool easier to find and more accessible to use
  - Using vanilla javascript/typescript to access DOM properties of the obsidian app and add buttons and UI elements.
  - Allows users to add the front matter to a note in an intuitive manner as well as easily add YAML key:value pairs to their note
  - Technologies: Typescript, Obsidian API, Figma, Linear

*IDEXX Laboratories*

#### **Medical Laboratory Technician**

Glen Burnie, MD

01/2017– 08/2022

- Performed hundreds of tests per day using automated analyzers, compound microscopes, and manually using ELISAs to diagnose animal illnesses in support of veterinarian animal treatment.
- Led the upgrade of 12 lab analyzers to our automated ELISA processes to reduce required sample volume 5-fold and increase sample throughput by transitioning away from a 4 plate ELISA to a single plate.
- Qualified automated analyzers to verify their ability to run ELISA testing
- Conducted training for new and experienced technicians in serology, chemistry, and hematology departments to ensure adherence to laboratory SOPs and expected quality.
- Conducted daily, weekly, monthly, and yearly maintenance on 4-9 analyzers, 11 microplate readers, and 5 microplate washers to ensure accurate results and lessen downtime across multiple shifts.

## **EDUCATION**

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*Thinkful*

#### **Certificate, Software Engineering**

06/2023

Remote

*St. Mary's College of Maryland*

#### **Bachelor of Arts (BA) in Chemistry**

St. Mary's City, MD

05/2016