RYAN MAHONEY- Full-stack software Engineer

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SUMMARY

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

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 Code

EXPERIENCE

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.
  - ***Encryption/Decryption Application*** | Thinkful | Decoder Ring
    - Built to be an encryption/decryption application to communicate and read top-secret messages.
    - Created utilizing the test-driven development method.
    - Technology: JavaScript ES6, HTML5, Node.js, Bootstrap, Mocha, Chai.
  - ***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
  - ***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   Glen Burnie, MD
Medical Laboratory Technician   01/2017– 08/2022
- 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.
- Conducted training for new and experienced technicians in serology, chemistry, and hematology departments to ensure adherence to laboratory SOPs and expected quality.

EDUCATION

Thinkful   Remote
Certificate,SoftwareEngineering
06/2023

freeCodeCamp   Remote
Certificate,JavaScript Algorithms and Data Structures
11/2022

St. Mary's College of Maryland   St. Mary's City, MD
Bachelor of Arts (BA) in Chemistry   05/2016