

Michael Gaynor

Software Engineer/ Frontend Developer

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As a software engineer, I find great satisfaction in problem-solving and creating elegant solutions that have a tangible impact on people's lives. The constant learning and innovation in the field also keeps me engaged and excited about my work. I have expertise in programming languages such as JavaScript, HTML/CSS, SQL, and libraries/frameworks including React, Node JS/Express, and Tailwind CSS. I have shown my capability to build scalable code that is optimized for performance, accessibility, and usability.

SKILLS AND TRAINING

Languages: JavaScript, HTML5/CSS, Mongoose, MongoDB, SQL

Libraries & Frameworks: Node JS./Express, React.js, Tailwind CSS

Technologies & Other: Git/GitHub, Postman, REST API's, Axios/AJAX, JSON, HTTP,

Full Stack Application: *InfoMovie App*

[InfoMove App Repository](#)

01/2023

Languages & Frameworks: JavaScript /React.js, HTML, TailwindCSS, Mongoose/MongoDB, Node Js

Technologies: Postman, Axios/AJAX, JSON

- Developed an application to allow users to extract data from RESTful API regarding movies or Tv-shows that was entered into the search function, and allows users to add their favorite movies or tv-shows to a database.
- Engineered frontend UI by implementing React Router while creating component-based architecture to develop reusable components and reduce code redundancy for application scalability.
- Architected NodeJS to build RESTful API endpoints to create a server that loads users favorite movies that were saved to the database with Express Middlewares.
- Employed React-Router to execute dynamic client-side routing to leverage fast rendering due to reduced server-side requests.

Full Stack Application: *AdoptAPet App*

[PetAdoption App Repository](#)

03/2023

Languages & Frameworks: JavaScript /React, HTML, TailwindCSS, Mongoose/MongoDB, Node.js

Technologies: Postman, Axios/AJAX, JSON

- Launched a front-end application that serves as a centralized location displaying pets information that are available for adoption.
- Developed the entire RESTful API using Node.JS and Express.js with MongoDB as a persistence layer while utilizing React.
- Styled responsive React components with TailwindCSS for all screen sizes, leveraging React conditional rendering techniques and imports to create a consistent and streamlined application UI, improving user experience.
- Utilized Axios and client-side user input to send RESTful API requests to the ExpressJS server, allowing CRUD operations with ODM Mongoose on MongoDB.

RELEVANT EXPERIENCE

Financial Analyst / United States Air Force, Clovis NM

02/2015 – 01/2019

- Implemented process improvements to improve data integrity, enabling effective communication of consistent data-driven sound recommendations to squadron and installation leadership, while confirming that 100% of funds were spent both ethically and legally.
- Utilized analytical skills to extract and consolidate data from multiple databases, identifying and resolving 566 debt management discrepancies, resulting in the recovery of over \$250k of unauthorized transactions.
- Managed a 5-person cross-functional team to establish new reimbursement standards and technical documentation, resulting in successful product delivery and elimination of 50 monthly labor hours.

Transportation Security Officer/ United States of Homeland Security, Houston TX

07/2022 - Present

- Streamlined communication and implemented risk-based security operations procedures and protocols at IAH Airport screening checkpoints for 1000+ daily passengers, ensuring 100% compliance with TSA regulations.
- Proactively sought out opportunities in collaboration with government agencies and took the lead on assessing potential threats, resulting in the confiscation of 3,000 firearms in 2022.

EDUCATION

VSchool– Full Stack Software Engineer January 2023 Implemented advanced React concepts, Node.js and Express framework for back-end/server-side programming, and database programming with MongoDB and Mongoose, following industry best practices. Demonstrated expertise in front-end libraries and computer science fundamentals through portfolio projects and code reviews.

CUNY Queens College – May 2021 Bachelor of Science in Nutrition & Exercise Science