

Michael Gaynor

Software Engineer/ Software Developer

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SKILLS AND TRAINING

Languages: JavaScript (E5/E6+), HTML/CSS, SQL, PostgreSQL, Mongoose, MongoDB,

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

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

RELEVANT PROJECTS

Full Stack Application: *InfoMovie App*

[InfoMove App Repository](#)

01/2023

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

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 ReactJS to display each section as a separate component to easily update information and provide reusability of existing code.
- Incorporated React Router to build a single page web application that maximizes responsiveness and website overall speed.
- Architected NodeJS/Express to build RESTful API endpoints to create a server that loads users favorite movies that were saved to the database with Express Middlewares.

Full Stack Application: *AdoptAPet App*

[PetAdoption App Repository](#)

03/2023

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

Technologies: Postman, Axios/AJAX, JSON

- Launched an application that serves as a centralized location that displays pets information that are available for adoption. All from a created database with multiple endpoints that houses the data.
- Designed a user authentication system with custom user model methods using Mongoose to hash the users password before saving it to the database.
- Integrated ReactJS to organize multiple components and to fetch RESTful API from backend via Axios.
- Collected data from a third party API via Axios and stored data within MongoDB to orchestrate a more simplified filtering feature in the search page.

RELEVANT EXPERIENCE

Financial Analyst / United States Air Force, Clovis NM

02/2015 – 01/2019

- Improved data integrity to deliver consistent data-driven sound recommendations to squadron and installation leadership confirming 100% of funds was spent both ethical and legal.
- Extracted data through databases to consolidate 566 debt management notices to validate transactions, recouping over \$250k of unauthorized transactions.
- Oversaw a yearlong project, leading a cross-functional team (budget, travel, military pay team) of 5, developing new reimbursement processes and standards that eliminated 50 hours of labor a month.
- Collaborated with a team of 5 through collecting large datasets to reorganize the auditing process, and reduced unpaid voucher backlog by 95% to guarantee deadlines were met.

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

07/2022 - Present

- Implemented risk-based security operations procedures and protocols at IAH Airport screening checkpoints on 1000+ daily passengers, guaranteeing 100% compliance with TSA regulations.
- Partnered with various government agencies to assess potential threats aimed at reducing the risk threshold, which led to 3,000 firearms being confiscated as of 2022.

EDUCATION

VSchool – Full Stack Software Engineer January 2023 Learn, build, and showcase expertise through comprehensive portfolio projects utilizing CRUD functionalities, Object Oriented Design, and test-driven programming

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