

ISMAIL MANJLAI

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[Portfolio](#)

[GitHub](#)

[LinkedIn](#)

SKILLS

Frontend HTML, CSS, JavaScript, React / Redux, Angular, Svelte / SvelteKit, Alpine.js, HMTX, Web Components

Backend Python, Flask, Node.js, Express.js, PocketBase, SQLAlchemy, Sequelize, Prisma, Docker, Google Cloud Run, Firebase

Database SQL, PostgreSQL, MSSQL, SQLite, MongoDB

Testing Cypress, Postman

EXPERIENCE

IT Software Test Engineer I

National Heritage Academies

Dec 2021 - Present

- Executed database queries using **SQL** in **MSSQL** in multiple lower level environments such as **CI** and **QA** to validate test cases and ensure valid data representation with over 1,000,000 data points.
- Created automated tests using **Cypress** to offload repetitive work, resulting in stories moving through the pipeline faster and increased code coverage.
- Handled validations of user stories in four different development environments, adhering to **SAFe** principles to ensure smooth functionality before deploying changes to production.
- Collaborated with the team to refine and estimate user stories in **Azure DevOps** in order to effectively communicate the team's plan for the next program increment.

Full Stack Developer

Computing Hub

May 2023 - Nov 2023

- Combined Ace Editor's text editor and **Skulpt's** Python-to-JavaScript translator to allow users to run Python code natively in the browser.
- Spearheaded a database migration from **PocketBase's** embedded database to my own **SQLite** database, ensuring a smooth transition for users.
- Implemented reactivity through **DOM manipulation** for client side interactivity, leading to a smoother user experience.
- Created intensive documentation regarding dependencies, reactivity scripts and component implementation to allow for easy collaboration with other developers.
- Utilized **Pug.js** to create **HTML templates** for server side rendering, allowing for dynamic data keeping a fast initial page load.
- Used **Prisma** to automatically generate type safe schemas, making for a much more enjoyable and fast development experience.

PROJECTS

Reddit Clone | Turtell (Flask, ReactJS)

[live](#) | [GitHub](#)

A Reddit clone with a minimal / sharp UI design built with **ReactJS, Redux, Flask, Heroku** and **PostgreSQL**

- Incorporated CSS **Grid** and **Flexbox** in combination with React's useSelector hook to dynamically map slices of the Redux store to create a smooth user experience and bring the site to life.
- Integrated dark and light mode options using CSS classes and variables for ease of use and accessibility for users with high contrast preferences.
- Utilized Redux's powerful state management to create a dynamic search bar that autocompletes a user's query with matching elements in the database and allows them to find resources with ease.

Instagram Clone | Kilogram (Flask, ReactJS)

[GitHub](#)

A pixel-perfect Instagram clone that utilizes **ReactJS, Redux, Flask, AWS, Heroku** and **PostgreSQL**

- Designed a pixel perfect layout using CSS **Grid** and **Flexbox**, pulling design data from Instagram itself to simulate the same intuitive layout and ease of access that Instagram offers.
- Incorporated AWS image hosting, giving users the ability to upload images from any device's local image library.
- Implemented a notifications feature using a short poll implemented using Redux that allows users to see other user's interactions dynamically.

EDUCATION

Software Development - App Academy | Summer 2021