

Heba Elkasaby

(309) 569-8478 hkasaby1@gmail.com [Portfolio](#) [LinkedIn](#) [Github](#)

Skills React.js, Redux, JavaScript, Python, Node.js, Express, HTML, CSS3, Jinja, jQuery, Flask, SQL, PostgreSQL, SQLAlchemy, AWS, Heroku, Docker, Photoshop, 3Ds Max, Paired Programming, Project Management, Data Organization, Bilingual (Arabic)

Education

App Academy

Dec 2020 - June 2021

A 1,000-hour, immersive software development boot camp focuses on full-stack web development.

Mansoura University

Bachelor's in Computer and Systems Engineering

Aug 2001 - Jun 2006

Licenses

Engineer in Training (EIT) | No. 1513636-500 | State of Wisconsin

Aug 2020

Projects

Kiddos

[Live Site](#) | [Github](#)

(JavaScript, React / Redux, Python, Flask, PostgreSQL, SQLAlchemy, CSS3, Heroku, Docker, Pipenv)

A single-page application for users to explore and buy children's clothes and save their favorite items.

- Built stable, relational, and complex **database** using **PostgreSQL** to ensure the speed of responses and enhance the security of the data.
- Ensured user privacy through **Flask-Login** authentication in the backend.
- Created attractive acting **UI** and **reusable UI components** to deliver the best user experience by using **react-responsive** that uses the combined power of media queries and breakpoints to define **DOM** elements.

OverShare

[Live Site](#) | [Github](#)

(JavaScript, React / Redux, Python, Flask, PostgreSQL, AWS, SQLAlchemy, CSS3, Heroku, Docker, Pipenv)

Instagram clone where users can share and view photos.

- Reduced the server load by implementing **AWS S3** functionality to store uploaded photos, allow photos to be easily fetched, and allow users to create unlimited new posts.
- Designed a weighted search algorithm to build **AJAX** autocomplete suggestions based on partial user inputs to increase text input speed.
- Designed a self-referencing join table with **SQLAlchemy** to allow users to follow and unfollow other users.

ShowMe

[Live Site](#) | [Github](#)

(JavaScript, Pug.js, Express, Node.js, HTML, CSS, PostgreSQL, Sequelize)

Goodreads clone where users can view, review, and gather basic information about TV shows.

- Used **Bcryptjs** algorithms to hash the stored password in the database to ensure unique user access and security.
- Utilized **Express** to create the server routes to get, post, delete, or patch data from the database.
- Improved the overall user experience by rendering data pulled from the **database** and **API** by using **Pug** which makes it easy to write reusable **HTML**.

Experience

Valley View Elementary School | Menomonee Falls, WI

Oct 2018 - May 2019

Lincoln Elementary School | Macomb, IL

Jan 2016 - May 2016

Volunteer Math Tutor

- Served as a volunteer teaching assistant with children in a specific math program, assisting higher-need students.
- Communicated consistently with students' teacher in order to understand each child's needs and relay progress.
- Worked within each separate school system in order to follow each school's protocols for volunteer processes.