# 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.