Jingling Jin

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SKILLS

Javascript, React, Redux, HTML, CSS, SQL, Node.js, Python, Heroku, Express.js, Git, PostgreSQL, Node.js, Flask, Render

PROJECTS

Instagramom (Python, Flask, SQLAlchemy, React / Redux, Docker, PostgreSQL, AWS S3, CSS, HTML, Render)   live | github
*Solo Project - An Instagram clone built with **React JS** front and **Python** server.*

- Utilized **AWS S3** to implement user image and video uploads, reducing server load and allowing scalability of media services.
- Integrated **React Player** with **Redux'**s global store by dispatching actions only when sharing information across components and encapsulating video player data to display a seamless, uninterrupted video.
- Built complex **Flask-SQAlchemy / Python** database models and queries to allow multiple connections between data tables, eliminate unnecessary database queries, and reduce server load to facilitate smooth and consistent user experience.
- Incorporated **CSS3 / HTML** into the webpage to make the user experience (UX) better and improve the look of the site.
- Ensured user security and authentication with **Flask WTForms** and **Flask-Login**; **WTForms** checked the users information and **Flask-Login** sent back the appropriate data to the frontend.

Chatter (Python, React / Redux, PostgreSQL, AWS S3, Docker, Web Socket, CSS, HTML, Heroku)   live | github
*Team Project - An Slack clone built with **React JS** front and **Python** server.*

- Utilized **AWS S3** to facilitate user image uploads to be displayed in custom React components, allowing users to create profile photos.
- Collaborated on a team of four engineers to design the backend using **SQLAlchemy** to create the database and query all the data along with **Flask** to process the data into **JSON** format and send it to the frontend.
- Incorporated a fully customized search box **ReactSearchAutoComplete** to improve user experience and quickly find results.
- Utilized **Socket.io** with Flask and React to implement a persistent connection between a client and server to allow users to experience a real-time live chat.

Whenevernote (Express.js, ReactJS, Redux, PostgreSQL, CSS)   live | github
*Solo Project - An Evernote clone built with **React JS** front end and **Express JS** server.*

- Secured user information and autonomy through frontend and backend authentication implementations with **React Router**, permitting users to only access and change their notebook and note requests while logged in.
- Facilitated front and back-end communications through use of **React** and **Redux** using React components to generate a more pleasant UX while utilizing **Redux** Thunks to dispatch data to the backend and format responses into the store.

EXPERIENCE

ABAP Programmer （ASPN software company）   2009 - 2010

- Assist with estimating new development and enhancement requests.
- Self-motivation with strong analytical and communication skills.
- Inter-personal skills to work well with clients and other team members.

EDUCATION

App Academy
Immersive software development course with focus on full stack web development.   Graduated July 2022

- Pair Programming, Group Projects, Object Oriented Programming (OOP), Test Driven Development (TDD), Data Structures & Algorithms

The University of Texas at Dallas
Master's degree in Geophysics   Graduated December 2015
Yanbian University of Science and Technology
Bachelor's degree in Electrical Engineering   Graduated June 2008