Hsiu Chuan Shih

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SKILLS

React.js, React Native, Redux, JavaScript/TypeScript, jQuery, Ruby, Rail, HTML5, CSS3, Postgresql, MongoDB, Git, Heroku, AWS, D3.js

EXPERIENCE

Software Engineer

DSFederal inc., March 2016 - March 2018

- Maintained existing websites, refactored existing code to improve performance, and handled new requirements.
- Deployed a real-time widget from CPSC Recalls API, and monitored the recall information.
- Built annual fiscal reports and integrated the data of CMS departments in Oracle for better effectiveness and data accuracy.

PROJECTS

WeGo Live Site | Github

A social application that allows users to find new activities and make new friends. The application is developed by: Mongo, Express, React / Redux, Node, AWS, HTML5, CSS3

- Collaborated with 4 engineers utilizing Git to pull request workflow and minimize the potential merge conflicts.
- Resposbility for fontend web design responsive styling across the site by utilizing CSS3 media queries to bring users a consistent experience across various devices.
- Leveraged RESTful routes to implement full CRUD functionality allowing users to dynamically manipulate activities, requests, and user profiles.

JaceBook Live Site | Github

A full-stack, single-page web application allows users to share posts/comments. *The application is developed by: Rails, PostgreSQL, JavaScript, React/Redux, AWS, HTML5, CSS3*

- Utilized one-to-many polymorphic table to create flexible database models and to heavily DRY up backend code.
- Implemented real-time updates using Redux global store to create, edit, and delete posts/comments/likes.
- Combined AWS S3, Ruby on Rails RESTful API, and PostgreSQL to upload images into Cloud Object Storage for data availability, security, and reducing 90% server load.

Covid-19 tracker Live Site | Github

A JavaScript project to display the COVID 19 cases, deaths, and vaccination of US states via the data visualization chart and the geographical map. *The application is developed by: JavaScript, D3.js, HTML5, CSS3*

- Used D3 Javascript library to create an intuitive and dynamic data visualization on map and chart.
- Deployed event listeners using DOM manipulation to allow users to access the real-time data and line charts via hovering over the map.
- Created a reusable data-fetching function to fetch the third-party APIs requests, return the response in JSON, and more.

EDUCATION

App Academy - Immersive software development course with a focus on full stack web development (May 2022)

National Tainan University - *Master - Computer science and education* (Spring 2008)