Anusha Tuladhar

atuladhar@ucdavis.edu   Portfolio   LinkedIn   Github   San Francisco / Bay Area

Skills
JavaScript, React.js, Redux.js, Ruby, Ruby on Rails, Git, PostgreSQL, jQuery, SQL, Webpack, Heroku, Mongoose, Node.js, MongoDB

Projects

AtSeedWorld (JavaScript, React / Redux, Ruby / Rails, HTML, CSS, PostgreSQL, Amazon S3)   Live Site | Github
Description
- Utilized JSON JBuilder to pass data to the front end by incorporating ajax to make API calls over HTTP requests.
- Employed React Hook to filter the data and fetch specific seed based on user's search bar input
- Utilized mapStateToProps to pass appropriate slices of the redux store to components to avoid additional AJAX queries and render features for the user.
- Adhered to React and ES6 best practices to generate a true single-page reactive web app experience.
- Effectively used JavaScript to stop users from accessing certain forms/functionality while not logged in, and switch forms conditionally.

GardenCalendar (JavaScript, Vanilla DOM, HTML5, CSS, Chart.js)   Live Site | Github
Description
- Applied Chart.js to create graphs to indicate when and how to grow specific seeds and plants.
- Fetched data via Vanilla DOM to filter out the planting guidance based on the user's request.
- Implemented the modal that shows specific instructions for each plant solely with CSS and HTML.

GlobalCuisine (JavaScript, MongoDB, Amazon S3, HTML5, CSS)   Live Site | Github
Description
- Created, stored, and utilized a database from MongoDB to pass information to the frontend.
- Implemented picture uploading function via Amazon S3, and Multer.
- Employed Amazon S3 to generate the image URL to directly seed the data via postman and MongoDB.
- Used BCrypt's hashing algorithm for passwords to ensure that the user's password is secure.
- Utilized the Validator.js library to validate user input in the controller before saving data into a MongoDB database.

Experience

Pacific Architects and Engineers /DHS, San Francisco, CA
Biological Scientist/QA lead   Feb 2016 - July 2021
Molecular Biologist   Aug 2014 - Jan 2016
- Performed Competency assessment on four to five employees annually to ensure that all the laboratory results were 100% accurate as any false positives or negatives could result in termination of the entire lab.
- Performed internal audit every year to prepare the lab for DHS external audit which led to increasing the laboratory audit scores by 30%.
- Enforced monthly work division system which helped staff with time management and also created an equal workload environment.
- Created a QA form that helped the laboratory be more organized and helped keep track of all the upcoming due dates which ensured that the laboratory never missed any deadlines or due dates.
- Developed Reagent and Supplies tracking form which saved DHS a lot of cost on the shipment as the laboratory often ran out of reagents and frequently had to do same-day delivery.

Zyomyx, Fremont, CA
Research Associate   Sep 2013 - July 2014
- Revised protocols to scale up reagent production without compromising the quality of the products.
- Rapidly learned to perform experiments and QC and QA techniques to ensure on-time delivery of products during staff shortage.
- Promptly learned OQ/PQ/IQ validation techniques to verify that the laboratory equipment will consistently manufacture products that meet the quality requirement.

Life Technologies, Pleasanton, CA
Sr. Manufacturing Associate   Jan 2012 - July 2013
- Trained 20 new employees in record time to effectively meet the high production demand of oligonucleotides.
- Implemented 5S techniques to make the work environment safer which significantly reduced the number of work-related accidents.

Education

App Academy Software Engineering   2021
University of California, Davis B.S Biological Science   Aug 2008 - Dec 2012