

# 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 Builder 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 in order 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 tests on all the employees every year to ensure that all the laboratory results are 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 in laboratory audit scores by 30%.
- Enforced monthly work division system which helped the 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

- Developed scaleable protocols and ensured that the protocol was intelligible for people with no science background.
- Switched between the roles of the manufacturer, QC and QA specialist, and scientist to ensure on-time delivery during staff shortage.
- Promptly learned OQ/PQ/IQ validation techniques to demonstrate in-house build equipment being used was meeting FDA standards.

Thermo Fisher Scientific, Pleasanton, CA

**Sr. Manufacturing Associate**

Jan 2012 - July 2013

- Trained 20 new employees in a very short period of time to effectively meet the high production demand from the clients.
- 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