Vamshi Renduchintala

Full-Stack Software Engineer

408-480-9126   vrenduchintala17@gmail.com   San Francisco, CA   Portfolio   Linkedin   GitHub

Skills

React.js, Redux, JavaScript, Node.js, Express.js, HTML5, CSS3, Ruby, Ruby on Rails, jQuery, SQL, postgreSQL, MongoDB, Mongoose, AWS, Heroku, Webpack, Render, BCrypt

Projects

Willow   live site | github

Inspired by Zillow, user can search and create home listings and book tours

- Employed React library to build dynamic interface of functional components, allowing for fast rendering, reusability of components, and increased performance of the application
- Implemented user image upload functionality via AWS, reducing server load and allowing for scalability of image services
- Carefully managed and crafted global application state using Redux and jBuilder, efficiently facilitating communication between different components of the application

Smooth   live site | github

Interactive day trip planner, allows user to specify their requirements and generate an itinerary

- Collaborated with team of 5 software engineers, utilizing efficient git and pull request workflow in order to minimize potential merge conflicts and allow for smooth workflow
- Scaled system and increased flexibility to handle large amounts of data and traffic load by using MongoDB + Node.js + Express.js
- Leveraged various React libraries such as Swiper, React DnD, Chart JS along with Google Maps API and GeoCoder API to allow for a visually appealing and user-friendly experience

Deep Space Destroyers   live site | github

Interactive Single Player Javascript Game

- Applied game loops, player input handling, collision detection, and scoring systems, enhancing understanding of game development principles.
- Implemented Canvas API and accompanying game assets to render game elements, manage animations, and handle graphical effects, resulting in a visually appealing interface

Experience

Scientist 2 | October 2017 - January 2023

Cepheid

- Working in Product Transfer department, engaged in cross-functional collaborization with R&D, Project Planning, and Manufacturing to meet 100% of product launch deadlines
- Utilized the proprietary company software (GeneXpert) to conduct Test Method Validations to qualify diagnostic test kits for production, with zero post launch failures or recalls

Education

App Academy | Spring 2023 | San Francisco, CA

Immersive software development course with focus on full stack web development

University of Illinois at Urbana-Champaign | Spring 2017 | Urbana-Champaign, IL

School of Chemical Sciences, BS of Chemical and Biomolecular Engineering