

# Vamshi Renduchintala

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San Francisco, CA

[Portfolio](#)

[Linkedin](#)

[GitHub](#)

## Skills

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

## Projects

### Willow

[live site](#) | [github](#)

*Clone of Zillow, uses CRUD (Create, Read, Update, Delete), REST API*

- React library used to build dynamic interface of functional components, allowing for fast rendering, reusability of components, and increased performance of the application
- Utilized AWS to implement user image uploads, reducing server load and allowing for scalability of image services
- Redux and jBuilder libraries used to carefully manage and craft global application state, 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 (CRUD, REST API)*

- 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
- MongoDB for the database, along with Node.js and Express.js functioning as the server-side proxy, allowed for scalability and flexibility to handle large amounts of data and traffic load.
- Utilized 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*

- 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 collaboration with R&D, Project Planning, and Manufacturing to meet 100% of product launch deadlines
- Utilized the proprietary company software (GeneXpert) and digital PCR 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