

Aakash Sarang

sarangaakash@gmail.com • 669.232.7497 • www.aakashsarang.com • [LinkedIn](#) • [Github](#)

SKILLS

React, Redux, Ruby, Rails, Rspec, Javascript, GitHub, swift, xCode, ARKit, SceneKit, HTML5, Canvas, CSS3, Sass, SQL, PostgreSQL, Node.js, jQuery, RESTful APIs, JSON, AJAX, Python, C programming, AWS, Linux/iOS development environment

PROJECTS

MeetUs - Full-stack website

[Live Site](#) | [Github](#)

This is a one page webapp inspired by the website meetup.com built using Rails(backend) and React-Redux/Javascript(frontend).

- Achieved secure user authentication using BCrypt library along with bootstrapping of user information to reduce Postgres database querying.
- Implemented seamless UI interaction by taking advantage of React-Redux life-cycle methods for fetching data which reduces loading time of pages.
- Used AJAX requests to make HTTP requests from frontend and JSON on backend to parse data.
- Implemented backend using RESTful APIs to leverage less bandwidth which allows stateless communication with frontend.

Zuma - Classic Game utilizing power of JavaScript

[Live Site](#) | [Github](#)

This is a game built using JavaScript DOM manipulation techniques

- Optimized size of the app by redesigning necessary functionalities of libraries like JQuery using Javascript.
- Implemented shared functions and utilized OOP with class inheritance to keep the code DRY..
- Formulated coordinates for objects using self implemented algorithms to calculate coordinates for spiral and angular positions for animations.
- Established single page app by integrating HTML5 canvas with JavaScript using event handlers and timers for animations.

Peekaboo Penguin - iOS app built using swift and AR technology

[Live Site](#) | [Github](#)

This is a group project on iOS app development

- Implemented MVC frame structure using swift on apple's xCode.
- Established class method extensions to make custom buttons and their styling
- Worked around asynchronicity by utilizing action handlers.
- Calculated position of 3d object using matrix transformation and angle calculation.

EXPERIENCE

Cotmac Electronics. PVT. LTD. | Intern

June, 2014

- Designed Professional Documentation for products features and troubleshooting.
- Demonstrated designing skills in Industrial Automation using PLC SCADA.
- Successfully performed troubleshooting for pre designed industrial drives.

EDUCATION

San Jose State University, San Jose | MS Electrical Engineering

2017

App Academy | Immersive coding academy for full-stack web development with acceptance rate of < 3%

2018