

Kang Jie Tan

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TECHNICAL SKILLS

JavaScript (ES6), React, Redux, Node.js, Express.js, HTML/CSS, Webpack, MongoDB, Postgresql, MySQL, AWS (EC2, S3), Docker, Loader.io

PROJECTS

BottomTopBar: MERN stack music player – github.com/kangjietan/BottomTopBar

- Implemented music player functionality using React state management for HTML audio element/source.
- Developed RESTful API to render data retrieved from AWS S3.
- Applied styled components to reduce conflicts when deploying with other services.
- Deployed service and proxy server in docker containers through Amazon EC2 Instances.

Service_Calendar: Calendar hotel pricing viewer service – github.com/kangjietan/service_calendar

- Optimized service to handle 2.2k RPS with latency less than 129ms and 0% error rate by horizontal scaling service to 5 servers on EC2 instances and implementing NGINX as a reverse proxy and load balancer.
- Deployed service in Docker container to make horizontally scaling the service seamless.
- Load tested the application with Loader.io and K6 and identified bottlenecks within the system.
- Implemented RESTful API to support CRUD operations.

Foodist: Web app to view restaurants or randomly have one chosen. – github.com/kangjietan/Foodist | [Live site](#)

- Developed web application to display formatted information in a responsive UI from user queries.
- Integrated google maps showcasing restaurants as markers using Google Maps API.
- Integrated Yelp API to retrieve restaurant information from user search results.
- Deployed live application on Heroku.

Moviedb: Web app to view movies and manage your own lists. – github.com/kangjietan/moviedb | [Live site](#)

- Developed web application to display formatted movie information in a responsive UI from user queries.
- Managed movie lists in application and TMDB API information using Redux.
- Integrated TMDB API to retrieve movie information from user search results.

EDUCATION

Hack Reactor, Advanced Software Engineering Immersive – San Francisco, CA

2020

UC Santa Cruz, B.S Technology and Information Management – Santa Cruz, CA

2019

Relevant: Computer Systems & Assembly Language, Data Structures, Intermediate Programming: Java, Introduction to Computer Networks, Introduction to Database Management Systems, and Introduction to Programming: Java

EXPERIENCE

Cameron House, Summer Camp Leader (Volunteering) – San Francisco, CA

2014

- Planned and coordinated mostly outdoor activities along with other leaders for upcoming 8th graders.
- Supervised outdoor activities such as field trips, cookouts, etc