

Koboh Kosaka

Software Engineer

Contact



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Applications

Nutrific

- Implemented a user input form stored into Google Firebase Realtime Database that simultaneously calculated BMI, BMR, calorie expenditure.
- Implemented a login feature for signing in/up; applying Firebase Authentication with email/password verification.
- Created a mobile application using Expo framework, React Native, Redux, and Google Firebase for backend database.
- Styled application with React Native, CSS; prioritizing an intuitive user interface.

Know It All Trivia

- Implemented a categories select page and persistent team creation page for continuous local play.
- Utilitized React Native to create an Android/iOS trivia game application.

Web Scale System Design - Alo Yoga Mock

- Tested and determined between a SQL (PostgreSQL) and NoSQL (MongoDB) database to store 10 million rows; optimized database querying through indexing columns to run in <10ms.
- Stress tested (EC2) application using K6 and loader.io.
- Horizontally scaled service by deploying two servers and a round-robin load balancer (NGINX) to handle up to 1000 requests per second with a 0% error rate and 70ms average latency.

Front End Item Detail Mock - Glossier Mock

- Created a search bar tab rendering results from database on keypress.
- Created best seller tabs for several product categories, rendering the best selling products on hover of the tab.
- Generated 100 realistic products and stored in a MySQL database for application to display in navigation bar.
- Created a RESTful API using Express.js to handle front end requests.
- Cloned the Glossier.com item detail page using HTML, CSS, React focusing on the navigation bar.
- Created a proxy server to stitch four modules together for a complete mock item detail page.

Professional Experience

Food Safety and Security Manager

8/2018 - 1/2020

Maruzen of American, Inc. Dominguez Hills, CA

- To maintain SOP, SSOP, O-SOP by monitoring, managing resources, keeping records, and training employees at 2 facilities.

Seasonal Farm Guide

10/2016 - 10/2017

Tanaka Farms, Irvine, CA

Pharmacy Clerk

1/2016 - 9/2016

Meiji Pharmacy, Gardena, CA

Technical Skills

Front End Javascript (ES5 & ES6), HTML5, CSS3, React, React Native, jQuery

Back End Node.js, Express, MySQL, MongoDB, PostgreSQL, RESTful API Development

Dev Tools Git, npm, Webpack, Babel, AWS EC2, AWS S3, Google Firebase

Testing Jest, New Relic, k6, loader.io

Education

Galvanize/ Hack Reactor, Los Angeles

Software Engineering Immersive, 2020

University of California, Irvine

BA in Economics, 2018

El Camino Community College

AA in Arts and Humanities, 2016

Interests

