Brian Oh

Software Engineer

SOFTWARE ENGINEERING APPLICATION

NFTsearch
Software Engineer | React Native, Realm
iOS app to keep track of your favorite NFTs
- Developed interactive NFTs search system displayed through high-quality animations
- Implemented local data storage using Realm SDK to save and delete favorite NFTs

Otivation
Software Engineer | React Native, Node.js, Firebase, PostgreSQL
Mobile (iOS / Android) app for workouts to keep track of what you achieved day to day
- Built interactive real time CRUD interface for storing exercises and fetching data from PostgreSQL
- Developed sign up and log in with email / password secured by data validations and integrated Google authentication using firebase
- Designed high-performance JSON UI animations on exercise completion and loading

cryptObey
Software Engineer | React, Node.js, Express, MongoDB, AWS
Full stack web application providing top 100 cryptocurrency by market cap and portfolio to manage cryptocurrencies and currency converter
- Created interactive visualization tool that reflects real time changes in asset composition of top 100 cryptocurrencies
- Implemented persistent currency and portfolio data storage using MongoDB with integrated authentication provided by Google

Kontiki Review
Software Engineer | React, Node.js, Express, SQLite, AWS
Full stack web application providing customer reviews for travel tours
- Developed fluid and conditional sorting review listing with modular components serving summary and detailed views with dynamic pagination
- Designed SQL database schema to store customer reviews and created RESTful API endpoints in Express for efficient data retrieval
- Deployed project on AWS, including a proxy server that renders multiple components in a unified interface

Zillow[-inspired] Gallery
Software Engineer | MongoDB, Redis, Artillery, New Relic
Full stack web application of Zillow inspired on the top NavBar and Gallery component
- Compared multiple DBMS options using New Relic and Artillery; implemented MongoDB to evaluate performance with 10mm records
- Optimized application performance by benchmarking deployed services across multiple AWS instances against ~5k simulated requests per second and resolving bottlenecks based on analysis provided by Loader
- Implemented LRU cache using Redis, which reduced average response time by over 90% for randomized requests across 5k unique records

CONTACT

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TECHNICAL SKILLS

Languages and Frameworks
JavaScript (ES6+), Node.js, Express

Front-End
React, React Native, HTML5, CSS

Back-End
MySQL, SQLite, MongoDB, PostgreSQL, Redis

Developer Tools
Git, npm, Webpack, Babel, Jest, Mocha, Chai, AWS

EDUCATION

Advanced Software Engineering Immersive Program
Hack Reactor
2019

Economics, minor in Business Administration
Rutgers University, B.S.
2019