

Eric Sung

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Portfolio | GitHub | LinkedIn

Applications

Habitize | GitHub

Full stack application for helping users turn routines into habits

- Built application functionality using **JavaScript**, **React**, and **JSX** to provide core functionality of numerous features such as page navigation, reminder system for scheduled routines, evaluating and displaying relevant metrics, and session based data persistence
- Implemented **Node.js Express** endpoints to provide and receive user and routine information from **MongoDB** database used to update user profiles and the routines associated with each user

Target Mock System Design | GitHub

System design architecture for legacy code base mocking Target's game product section

- Improved existing **Node.js Express** server to utilize **PostgreSQL** database. Increased dataset from 25 unique records to 10,000,000. Optimized local database performance via indexing to an average of 7ms per query.
- Deployed **Nginx load balancer** utilizing least connection balancing method on **AWS EC2** instance to utilize 4 horizontally scaled services. Utilized **Nginx caching** to enable the load balancer to handle 10,000 requests per second with an average 71ms response rate and 0% error rate

Select Experience

Software Engineer

Pluralsight

June 2022 - December 2022

- Content Tooling: Micro-Frontends and API services - Creation of Micro-Frontends (**React**, **Serverless**, **GraphQL**, **Styled Components**) managed by **Webpack Module Federations**. Modification and management of existing **API** endpoints (**Node**, **GraphQL**, **Serverless**, **Docker**) to better suit MFE needs, updating legacy services to utilize modern packages.

Associate Military Instructor, Full Stack Developer

Galvanize Inc.

June 2021 - June 2022

- Blended Learning Program: Curriculum Development - Responsible for curriculum development to teach active duty service members Full Stack Development (**JavaScript**, **React**, **Node**, **PostgreSQL**, **Docker**). Creation of videos, online self-paced learning modules, and workshops for asynchronous student learning.
- Blended Learning Program: Synchronous Teaching - Teaching class of students during synchronous class days. Guiding students through material, providing assistance and evaluating student progress through projects and content.

Technical Skills

Front End

React, JavaScript: ES5, ES6, jQuery, HTML5, Styled Components, CSS3, Axios, AJAX, Fetch, MUI, Bootstrap

Back End

Node.js, Express, GraphQL, PHP, mongoDB, MySQL, PostgreSQL

Tools

Agile Methodology, Git, GitHub, RESTful APIs, Nginx, Redis, Mocha, Chai, Jest, Cypress, MAMP, Amazon Web Services, MeisterTask, Figma, Postman, Chrome Dev Tools, VS Code, Slack

Education

University of California, Irvine - 2015

B.A. of Public Health Policy

Hack Reactor - 2020

Advanced Software Engineering Immersive

Languages

- English (Native)
- Korean (Proficient)

Hobbies

- Golf - Ask me how to fix a slice!
- Cooking - My favorite recipes: oyakodon, linguine con vongole, and the perfect ribeye