Paul Choi

FrontEnd Engineer **|** *Oc/La (Open to Relocate)* **|** 714-800-3022

paulsoonminchoi@gmail.com **|** linkedin **|** github **|** paulsoonminchoi.com

Technical Skills

Languages: Javascript ES6, Typescript, HTML, CSS
Framework/Libraries: React, jQuery, Material UI, Node.js, Express, Redux, PostgreSQL, MongoDB
Developer Tools: Git, Agile/Scrum, Jira, Netlify

Applications

Getsy, Etsy E-Commerce Clone *React / Express / NodeJS / Axios / AWS / mySQL*

Single page application of display product page (Github)
- ➜ Built interactive product page to dynamically render over 1000+ of unique product items.
- ➜ Deployed 4 modules on AWS EC2 through a proxy to serve up one unified product page.
- ➜ Implemented mobile friendly architecture with flex-box and css-grid to improve user experience.

TimCamp *Express / PostgreSQL / MongoDB / AWS / NodeJS / NGINX / Loader.io / New Relic*

Scaling a legacy code base to enhance performance (Github)
- ➜ Generated 10,000,000 unique records for data set while maintaining low latency queries of 0.026ms (before indexing queries were 566ms) and with binary search tree indexing.
- ➜ Horizontally scaled to 4 AWS EC2 t2 micro instances to serve up 3,000 RPS (response per second) when before only 1 service could only handle 750 RPS.
- ➜ Implemented least connection load balancing technique and NGINX caching to handle production level traffic of 10,000 RPS with a latency of 12ms and an error rate of 0%.

Blu *Express / React / NodeJS / Axios / AWS / Redux / PostgreSQL*

App for Valorant (FPS game) players to compete in a tournament style fashion. (Github)
- ➜ Built an interactive chat system to update real-time chat messages within specific teams/players.
- ➜ Used PostgreSQL to store over 10,000+ unique user data and another 10,000+ unique teams.
- ➜ Integrated over 7 features for example, a user being able to find friends (Add / Invite / Remove), and search for a user by their unique username.

Giffy *Express / React (Typescript) / Axios / Netlify*

Single page application to view and explore Gifs. (Github)
- ➜ Utilized "styled components" to build and implement design on Figma mockups.
- ➜ Used Giphy's Api to retrieve over 10,000+ gifs with custom search content.
- ➜ Added a search feature to allow users to directly search through Giphy's Api.

Work Experience

Hack For La

SOFTWARE ENGINEER   2021-Current
- ➜ Utilized React and Material UI to build reusable components/prototypes based on Figma mockups.
- ➜ Researched and implemented npm libraries such as "react-day-picker" to achieve a multi day selecting Calendar.
- ➜ Used git to collaborate by using branching and pull requests.

Education

Hack Reactor

FULL-STACK SOFTWARE ENGINEERING IMMERSIVE   *2020*

Fullerton College

PURSUED BSN   *2015-2019*