Won (Teddy) Kim

Full Stack Software Engineer

Santa Clara, CA
teddytkim@gmail.com

teddykim.net
github.com/wontkim
linkedin.com/in/teddy-kim-125393134

Education

Hack Reactor @ Galvanize

Advance Software Engineering Immersive
February, 2021

University of California, San Diego

Bachelors of Science, Biochemistry/Chemistry
June, 2014

Frontend

Javascript (ES5/ES6)
HTML5/CSS
jQuery
React & React Hooks
Redux

Backend

Node.js
Express
RESTful API
MySQL
MongoDB
Mongoose
PostgreSQL
CouchDB
Axios

Tools/Deployment

AWS EC2
NGINX
Redis
New Relic
Loader.io
Webpack
Babel

Other

Github
Git
Linux

Software Engineering Projects

Google Shopping

React Express PostgreSQL Redis NGINX AWS EC2

- Optimized legacy code inherited from previous team and refactored microservice
- Deployed microservice to AWS EC2 routed through a smart proxy to scale up to 1500 RPS with less than 200 ms latency
- Refactored database from noSQL to SQL to maintain relational data, and improved query times from an average of 150 ms to 10 ms
- Leveraged k6 & loader.io to stress test microservice, and made improvements by utilizing load balancing with NGINX, caching responses with Redis, and implementing horizontal scaling

KickStarter

React Hooks Express MongoDB Mongoose AWS EC2

- Architectured and designed a full stack app to display project community information: top number of backers from countries and cities
- Established a RESTful API to seamlessly allow other microservices to query JSON data
- Implemented TDD for both the UI and database using Jest/Enzyme

Pixelfy

React Hooks Express

- A front end application that allows users to search for high quality pictures that are original content from creators around the world
- Built with React Hooks and served with Express - API calls are made to Unsplash

Professional Experience

Impossible Foods | Senior Research Associate

2017 - Current

- Independently established analytical assays through method development for identification & quantification of requested small molecules, proteins, and solvents
- Analyzed and identified statistical trends of analytical instruments such as HPLC, UPLC, LC-MS, and GC-MS for routine assays