Chhuong Le

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TECHNICAL SKILLS

Front End: JavaScript (ES5 & ES6), React, React Native, HTML5, CSS3
Back End: Node.js, Express, MySQL, MongoDB, PostgresSQL
Tools: AWS(EC2), Babel, Docker, jest, Mocha/Chai, nginx, React Testing Library, Webpack, Loader.io, K6, Firebase

PROJECTS

Front End Developer | Project Catwalk   github.com/ChhuongLe/project-catwalk

JavaScript | React | Styled-Components | CSS/HTML | EC2 | Jest | React-Testing Library | Lighthouse
Created a product overview page of an e-commerce site enabling clients to review and explore new products

- Leveraged React component architecture to produce a front-end product page which allowed the user to view a large variety of images and product information at the touch of their fingertips

- Optimized rendering of product page by applying React's code-splitting (Lazy and Suspense) which decreased the time of first contentful paint and time to interactive by 0.7 seconds and 0.5 seconds respectively

- Improved Lighthouse performance rating by approximately 20% through application of a compression middleware

- Implemented end-to-end tests with Jest and React-testing library to guide test-driven development

Back End Engineer | Project Catwalk   github.com/ChhuongLe/Q-A

Node.js | PostgreSQL | mongoDB | Express | EC2 | nginx | K6 | Loader.io
Developed API that provided necessary data for web developers to retrieve questions and answers data for specified products

- Automated ETL process using Node schema design and seeded PostgreSQL database with 10 million records of CSV data

- Refactored data by implementing b-tree indexing and aggregate functions to optimize individual query response times to be executed under 10 ms

- Containerized using Docker and Docker compose to deploy servers and databases across several EC2 instances to accommodate for user base growth

- Performed load-balancing using nginx to distribute high traffic volume test of 5000 requests per second using round-robin style method among 3 API servers averaging approximately 75 ms with 0% error

Full Stack Engineer | Healthy Food Inc   github.com/HealthyBilly/BillyHealthy

mongoDB | Express | React | Node.js | EC2 | Firebase | Styled-Components | Lighthouse
Developed web page with team of 6 engineers for client

- Built component based website using React router and implemented authentication using Firebase

- Developed back end server with MongoDB to hold user data, user purchase information, and product data

- Created express server routes to ingredients and recipes data and deployed server and database onto an EC2 instance to permit front end engineers access to necessary data

EXPERIENCE

Process Engineer | Anda Technologies — Fremont, CA   Sep 2019 - April 2021

- Led team of 4 engineers to develop software of the first proprietary UV radiometer and thermal profiler that lead to sales of approximately 150 units on release

- Programmed path functions using Anda proprietary software on Anda machinery and to create optimized routes that lead to decrease output time and increase throughput by at least 3% for each client

EDUCATION

- **Hack Reactor — San Francisco**   April 2021 - July 2021
  Advanced Software Engineering Immersive Program

- **B.S. in Chemical and Environmental Engineering** — UC Riverside   June 2016 - June 2019
  Relevant Coursework: Introduction to Discrete Structures, Introduction to Data Structures,
  C++ programming I & II, Machine Organization and Assembly Language, Process Dynamics and Controls