

# Clifton Ho

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## Technical Skills

**Client-Side:** Javascript (ES6), HTML5, React, Redux-Sagas, CSS, jQuery, Python

**Server-Side/Databases:** NodeJS, Express, PostgreSQL, MongoDB/ Mongoose, MySQL, RESTful API,

**Development/Testing:** Jest, Mocha, Chai, AWS-EC2, Docker

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## Professional Experience

### **IBM Garage, Software Developer**

2019 to Present

- Developing and modernizing a full stack web application (Xcomp, Inc.) for grading dental students using React/Redux for frontend and NodeJS /Express for the backend.
- Utilizing IBM Design Thinking methodologies such as pair programming, TDD and agile principles to deliver new features and write unit tests within the allotted sprints.
- Implement REST APIs to communicate and fetch data from other microservices and Postgres database.
- Collaborate with designers and product managers to come up with optimal solutions for a seamless UI/UX.
- Work with clients on installing and deploying applications on RedHat Openshift platform and hybrid cloud solutions across IBM platforms.

### **McKesson Corporation, Finance Manager I**

2016 to 2018

- Directly managed a portfolio of 300+ trade credit accounts from four regions consisting of 12 states, with an aggregate credit exposure of \$2.0B+.
  - Led the development and implementation of standard operating procedures that have been implemented throughout all the national regions.
  - Cultivated relationships with customers to build and grow their portfolio of the existing businesses managed.
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## Applications/ Projects

### **Move Reviews / Software Engineer**

*Movie Reviews Microservice*

- Refactored legacy code of a movie recommendation module to scale, achieving up to 1,000 RPS in production with < 0.3% error rate and < 1000ms average latency when querying database of over 10 million records.
- Optimized average latency times from 1800ms to 800ms using REDIS LFU cache and NGINX load balancing strategies.
- Stress tested using Artillery & Loader.io and deployed to AWS EC2 instance.
- Improved query speed performance by 50ms by indexing records.

### **Recipe Finder / Software Engineer**

*Full Stack Web application that searches and displays recipe choices based on keywords.*

- Crafted app using React, React-Router, Express, and Node to display recipes based on keywords.
  - Cached previous results using local storage to save previous search results.
  - Implemented express-session and b-crypt for user authentication and password encryption.
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## Education

Hack Reactor @Galvanize – Advanced Software Engineering Immersive

2019

Master's Business Administration, Cal State East Bay

2017

Bachelor of Science, Business Information Systems, San Jose State University

