

Nathaniel Torrez

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Technical Skills

Front end: ES6, ES5, React.js, Mocha / Chai, Jest, HTML, CSS, jQuery, Axios, Babel, Webpack, Styled-Components

Back end: MySQL, MongoDB, PostgreSQL, Docker, Express.js, AWS (S3, EC2), Nginx

Software Engineering Projects

Rentsy - Full-stack rental app with microservice structure and test-driven development (Jest, Enzyme).

- Designed review module using React.js with responsive and appealing front-end that was styled using Styled Components with an Express server back-end and MySQL database
- Containerized existing microservices using Docker to ease integration with Express proxy server deployed on an AWS EC2 instance and allow quick future scaling
- Reduced page load time by 50% compared to Google audit baseline by utilizing image and Webpack bundle compression

BookTrip - Full-stack trip booking app with microservice structure.

- Optimized Postgres database query execution time by 79% by adjusting configuration to increase max clients, updating schema and simplifying queries
- Decreased latency under-load by 90% by introducing a Nginx load balancer and horizontally scaling Express servers. Improving service to handle 2050 RPS with 900ms latency under-load
- Conducted multiple load test with NewRelic, Loader.io and Cloud Watch on AWS EC2 deployed service and identified bottlenecks within the service

BottomsUp - Full-stack react native ios app allowing users to find cocktails based on ingredients they have at home

- Designed interactive multi-view front-end allowing users to view cocktail list and full cocktail recipes
- Architected back-end using Express.js with multiple routes making additional request to cocktailDB api based on given ingredients from user selection
- Implemented PostgreSQL database to persist users cocktail ratings and preference

Experience

eXp Realty of California, inc - Real Estate consultant

2018 - 2020

- Top 10% in overall sales in Sacramento and San Joaquin county
- Engaged in weekly team meetings to sharpen skills and share current home situations we are working on to improve performance. As well as conducted daily meetings with clients to review sales and market data
- Recruited new members to team and advised them on how to handle sales

Primal Fitness Supplements - Owner

2017 - 2019

- Created a fitness supplement brand at 18 that I grew to 12 stores and gyms throughout Sacramento and San Joaquin County
- Sold company in 2019

Education

Hack Reactor - Software Engineering, Full Stack Development

2020

- Intensive 12-week immersive program, 6 - 7 days per week
- Over 1000 hours of Full Stack Development with a Javascript focus
- Emphasis on modern technologies and frameworks such as React, Node, JS ES6, Express, as well as other testing frameworks and libraries
- Soft Skills and workflow training such as pair programming with clear communication, Remote work flow, effective time management and planning as well as high level autonomy

