






NEIL MARTIN

 nmartin94@gmail.com  (310) 770-7937  Los Angeles, CA  [linkedin.com/in/NeilNMartin](https://www.linkedin.com/in/NeilNMartin)  github.com/NeilNMartin

TECHNICAL SKILLS

Front-End: JavaScript, React, Redux, HTML/CSS, jQuery, CSS Modules

Back-End: Node.js, Express.js, MySQL, MongoDB, PostgreSQL, AWS - EC2, Elastic Beanstalk

Other: Jest/ Enzyme, git/git flow, New Relic, (+ working knowledge of Docker, NGINX)

APPLICATIONS

Yelp Listing System Design Optimization - React | Redux | PostgreSQL | Docker | AWS | Redis | Nginx

Listing description microservice similar to Yelp's

- Optimized Postgres database with **SP-GIST and B-Tree indexing** for 10 Million+ data entries, reducing query times to **under 0.34ms**
- Achieved **over 1200 RPS with 28 ms** of latency and 0% error rate using horizontal scaling with Nginx as a load balancer for multiple deployed server instances
- Stress tested maximum RPS and error rate using Artillery and Loader.io to identify and remove bottlenecks
- Implemented vertical scaling with PM2 and keepalive connections to increase load balancing capabilities and server reliability, resulting in a 150% response rate

AirBnB Experiences Interface Reproduction - React | MongoDB | Jest | Enzyme | CSS Modules

Functional reproduction of AirBnB's Experiences listing page

- Built out a React interface to simulate AirBnB using carousel with embedded video and navigation
- Deployed a proxy-server on AWS EC2 service to integrate microservices architecture into one streamlined SPA. Used AWS S3 to serve static bundles and assets
- Integrated CSS modules with webpack configuration to modularize development and proxy integration

My Movie List - React | Express | Bcrypt | MySQL | Jest | CSS Modules

- Integrated TMDb API using Express and Node.js for access to up-to-date movie data
- Designed and optimized authentication with MySQL database to handle user-specific preferences and data
- Leveraged test-driven development with Jest and Enzyme to make debugging process efficient

EXPERIENCE

Software Engineering Teaching Assistant at Hack Reactor LA

Aug 2018 - Present

- Running junior code reviews and stand-ups, instilling engineers with best practices (e.g. ES6 & writing re-usable and readable code)
- Designing and delivering lectures on building basic full-stack applications
- Conducting technical interviews to evaluate and recruit potential engineers

Operations Manager at Nandha Wines

Jan 2017 - Mar 2018

- Oversaw and trained a team of sales associates to streamline outreach outcomes
- Brokered exports between small independent California wine producers like Acre and Ballard Lane, and commercial importers in the East Asian markets (Hong Kong)
- Generated sales and managed accounting for est. \$150,000 worth of transactions

Marketing/Tech Intern at nCompass/Activision

2015

- Helped set up a robust E3 experience for various major video game IP's

EDUCATION

Hack Reactor Advanced Software Engineering Immersive - Los Angeles, CA

Jun - Sep 2018

University of Southern California B.A. in International Relations, Minor in Business

2014 - 2017