

TIGER HONG

Software Engineer | Greater Los Angeles Area | (714)-614-3715 | tigerhong186@gmail.com
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TECHNICAL SKILLS

Programming Languages: JavaScript (ES5 and ES6)

Front-End: React, Create React App, HTML5, CSS3, Material UI

Back-End: Node.js, Express

Databases: PostgreSQL, MongoDB, MySQL

Scaling: F5 Nginx, Cache-ing, Load Balancers, Reverse Proxy, Server Farms

Testing/Deployment: Jest, Mocha, Chai, Loader.io, AWS: EC2

Developer Tools: Vim, Git, npm, Nx, Webpack, Babel, Agile Methodology, Scrum

EDUCATION

Hack Reactor | Certificate in Advanced Software Engineering 2023

1000 hours of coding training in JavaScript, React, Express, PostgreSQL, MongoDB, and MySQL in an Agile environment. Project-based curriculum that included solo coding, pair programming, and team collaboration

University of California, Irvine | BA in Business Administration 2019

GPA: 3.88 | Honors: Cum Laude

SOFTWARE APPLICATION DEVELOPMENT EXPERIENCE

Atelier API, Backend Software Engineer

2023

Technologies: Express | NodeJS | PostgreSQL | AWS EC2 | Jest | Loader.io | [GitHub](#)

- Built API microservice optimized from 250 RPS to 1,000 RPS using load balancing and caching, a 400% increase, deployed on **AWS EC2**
- Horizontally scaled system with 5 t2.micro EC2 instances using **NGINX load balancer**, improving network stability from 22% to less than 0.1% network error rate at 1,000 RPS
- Improved network latency from 50 ms to 14 ms and network stability from a 2% error rate to less than 0.1% error rate by vertically scaling the system and implementing **NGINX caching**, validated through **Loader.io** testing
- Implemented a streamlined two-step ETL process using NodeJS framework, Postgres' PG package, and NPM package.json scripts for rapid deployment

Atelier E-Commerce, Software Engineer

2023

Technologies: Express | NodeJS | Heroku API | Jest | [GitHub](#)

- Designed the product display, React front-end with **RESTful API backend** via an interactive photo carousel, styles changer, and customer checkout
- Optimized front-end design utilizing **CSS3** static compression and proper React element design to increase Google LightHouse Accessibility Score from 45 to 100 and Performance from 60 to 84
- Deployed React web application to Amazon t2.micro EC2 instance with web app **page speeds of 300 ms**

QuizWhiz, Software Engineer & Product Owner

2023

Technologies: Create React App | Express | PostgreSQL | AWS EC2 | Jest | Material UI | [GitHub](#)

- Led an Agile team of 6 engineers to develop a full-stack mobile web application for a client within a one-month timeframe
- Facilitated team-to-client discussion as the primary communicator and managed client expectations with weekly proposals, feature updates, and presented Client-User Acceptance Agreement
- Designed and built Quiz Creation Feature with both mobile and web rendering to increase application user access using **Material UI** and **Create React App**
- Designed Postgres Schema for quiz information for all features on application, optimized using indexing and foreign keys to query data at 1000 ms to less than 50 ms