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RICHARD HAI

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TECHNICAL SKILLS

Front-end: Javascript ES6, React.js/Redux, Vue.js, jQuery, HTML/CSS, Bootstrap, Angular.js, Backbone.js
Back-end: Node.js, Express.js, PostgreSQL/MySQL, MongoDB, AWS
Tools: Webpack, Babel, Docker, Jest, Mocha, Chai.js, Heroku, Redis, New Relic, Artillery, Mongoose.js

PROJECTS

SeaBnB App - *Scaled a service-oriented seaside lodging and hospitality app*   2018
- Conducted multiple A/B tests on legacy codebase to optimize PostgreSQL and MongoDB schemas for efficient seeding and querying
- Created an ExpressJS server to efficiently handle over 200 requests per second on MongoDB containing 10 million records
- Designed and performed load testing and benchmarking with Artillery.js and New Relic to have MongoDB efficiently handle high RPS with low latency

Esky App - *Deployed a client-facing e-commerce website for handmade goods*   2018
- Created dynamic front-end components with React for easy controlled state management
- Deployed to Amazon Web Services EC2 with Docker containers to connect RESTful microservices in a service-oriented system architecture
- Designed microservice architecture to easily store, retrieve, and render data through an Express proxy server to multiple PostgreSQL databases

PROFESSIONAL EXPERIENCE

The Hai Store - *Founder*   2014 - 2018
- Created, marketed, and managed a successful online retail business by trading and selling tens of thousands of virtual items every month to thousands of clients through Valve's Steam trading API
- Annually increased sales by over 300% with peak annual sales reaching close to a quarter million
- Owned the number one most valuable inventory in the world on Steam's database across over 100 million inventories in 2015
- Created python scripts and macros in order to reduce manual labor by magnitude of 50%

EDUCATION

Hack Reactor - *Advanced Software Engineering Immersive*   2018
University of California, Berkeley - *B.A. Applied Mathematics in Operations Research*   2017
- *Center for Entrepreneurship & Technology: Concentration in Engineering Leadership*

PERSONAL

Hobbies: photography, videography, video games, live storytelling, electronic music, biking