

Jason Chen

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github.com/helloitjase | linkedin.com/in/helloitjase/

OBJECTIVE STATEMENT

Passionate Software Engineer looking for full stack opportunities. I enjoy employing my analytical problem solving skills to build products that help customers improve their lives.

TECHNICAL SKILLS

Languages & Frameworks: JavaScript, ES6, React, Redux, jQuery, HTML/CSS, SQL

Databases: Cassandra, MongoDB, Mongoose, MySQL, Sequelize, PostgreSQL

Other Technologies: Node.js, Express, Jest, Enzyme, Styled-Components, Git, Bash, Webpack, Babel, AWS (EC2/S3/CloudFront), Grunt, Docker, Chai, Mocha, Nginx, Loader.io, New Relic, Matlab, Microsoft Office, Restful API development

SOFTWARE ENGINEERING PROJECTS

TJM ASSOCIATES | Scaled the backend of the photo gallery service of a restaurant reservation application

- Simulated high traffic load with Loader.io and collected system performance metrics using New Relic
- Deployed 4 EC2 micro instances behind **Nginx** load balancer to reduce latency from 1280 ms to a 16.8 ms
- Scaled **Apache Cassandra** database horizontally from 3 node cluster to 6 node cluster with increased replication factor from 2 to 3 to handle increased traffic, 400 RPS to 1900 RPS
- Implemented full **CRUD** operations to server with **REST API** routes

URBANEATS | Built the reservations module of a restaurant reservation application

- Executed component rendering using **ReactJS** to leverage performance efficiency of React Virtual DOM
- Optimized loading speed of module by 1.24X using **Brotli** to compress **Webpack** bundles
- Implemented **Microservice Architecture** to compartmentalize concerns and decrease interdependence of modules
- Deployed Express proxy server to handle all microservices and **REST API** routes
- Achieved 76% test coverage of Javascript and React logic using **Jest** and **Enzyme**
- Deployed microservice using **Docker** and **docker-compose** on **AWS EC2 t2.micro** to ensure consistent development environment

RateThisFood | Built full stack food rating web application to rate dishes in three days

- Utilized **React Router** and **React Hooks** to manage states and build a multi-page web application
- Implemented image uploading using multer middleware in **Express**

PROFESSIONAL EXPERIENCE

HACK REACTOR

San Francisco, CA

Lead Software Engineering Immersive Resident

Oct 2019 – Present

- Lead, mentor and train 40+ junior engineers on computer science fundamentals, data structures/algorithms, software engineering best practices, modern full-stack web development technologies (including React, Redux, Node, Express), databases (including MySQL, PostgreSQL, MongoDB, Cassandra), and app deployment technologies (including AWS EC2, S3, Docker, various load testing tools)
- Perform code reviews, and act as a mentor during architecture/software design and implementation phases for over 100 projects
- Maximize student success by acting as point of contact between students and staff ensuring clear and proper communication between both parties
- Counsel and provide emotional support and guidance for students in times of need

UNIVERSITY OF WASHINGTON

Seattle, WA

Graduate Research Assistant and Teaching Assistant, Department of Chemistry

Sept 2017 – June 2019

- Identified and characterized molecular products using a variety of spectroscopic techniques including Nuclear Magnetic Resonance Spectroscopy, Gas Chromatography and Mass Spectrometry
- Led undergraduate chemistry classes and collaborated with leading professor to discuss and provide feedback on course materials and implement new methodologies for improving the course

EDUCATION

HACK REACTOR

San Francisco, CA

Advanced Software Engineering Immersive Program

July 2019 - October 2019

UNIVERSITY OF WASHINGTON, DEPARTMENT OF CHEMISTRY

Seattle, WA

Masters of Science in Chemistry

Sept 2017 - June 2019