

# JOHN CHAO

## Lead Front End Developer

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## WORK HISTORY

### Full Stack Developer

#### Star App Solutions

10/2020 - 09/2023 Richmond, BC, Canada

Projects: TrackIt!, Talent Alpha

- Engineered robust and scalable architecture for web applications using Node.js, Express.js, Python, React.js, Redux, Gatsby, Vue.js, Ember.js and MongoDB, achieved 50% increase in user engagement and reduced server response time by 30% through effective implementation of caching and database optimization techniques.
- Contributed valuable insights to architectural decisions for Talent Alpha's front-end surfaces. Prioritized maintainability and efficiency, ensuring a scalable foundation for future development.
- Successfully migrated an application to the cloud using AWS, resulting in a 50% reduction in hosting costs.
- Adapted 50+ clients' websites to changing industry standards, designed application architecture on TypeScript, ReactJS, Redux.
- Implemented a robust testing framework for both platforms, emphasizing test-driven development (TDD) principles to ensure reliability and optimal performance.

### Lead Front End Developer

#### Star App Solutions

09/2018 - 10/2020 Richmond, BC, Canada

Projects: My Therapy Assistant, Qogita

- Led the front-end development for a client-facing e-commerce platform, accommodating a 50% increase in user traffic over six months using React, Vue.js, Next.js, GraphQL, Node.js and Python.
- Built a large-scale front-end codebase using React with hooks to create complex components
- Championed the creation of efficient and reusable front-end abstractions, ensuring the seamless delivery of complete, highperformance applications using Vue.js.
- Played a key role in migrating a legacy company website to React.js and Sass.
- Actively participated in the online screening of candidates and provided constructive suggestions for improving the technical competency evaluation process.
- Applied strong problem-solving skills to improve the web experience and introduce new features effectively.

## SUMMARY

Proven Full Stack / Front End Developer with over 8 years of hands-on experience in creating scalable, secure, and user-friendly web applications. Well-regarded among industry leaders for a strong skill set and a commitment to excellence. Skilled in efficient project management, adept problem-solving, and consistently delivering outstanding results. Recognized for a practical approach, using a diverse technical toolkit to navigate challenges with confidence. Demonstrated success, not just in technical expertise, but also in a dedicated and reliable work ethic that surpasses industry standards. Friendly, easy-going and enthusiastic. Recently was fascinated with AI and Machine Learning.

## SKILLS

### HTML 5/ CSS3 / Javascript(ES6+)

ReactJS React Redux Vue.js

Angular.js Ember.js Next.js

Gatsby Nuxt.js Typescript

Apollo Client Gulp.js Browserify

HighCharts AMCharts D3.JS

Bootstrap TailwindCSS

MaterialUI SCSS

### Responsive and Mobile-first Design

jQuery WCAG Node.js

ExpressJS Python Websockets

Java Ruby on Rails ASP.NET

.NET Django Flask PHP

Laravel GraphQL Firebase

AJAX API Design WordPress

## WORK HISTORY

### Front End Developer

#### Jeet Technology Corp

📅 08/2016 - 09/2018 📍 Surrey, BC, Canada

Projects: Scible, Clicsante

- Developed intelligent search functionality in React, increasing page views per session by 22%, thereby improving the overall user experience.
- Collaborated closely with back end engineers to construct RESTful APIs, actively participating in design and code reviews using Git, Mercurial, and SVN to maintain high code standards.
- Cooperate with the agile team to implement efficient and collaborative development workflows.
- Translated design team's UX wireframes and mockups into responsive, interactive features using HTML, SASS/CSS, and JavaScript, increasing user engagement by over 200%
- Created interactive landing pages, contributing to a 25% increase in user sign-ups.
- Improved page load speed by 15% through browser caching and server response time enhancements
- Implemented a site-wide redesign and front-end overhaul targeting both desktop and mobile devices. Incorporated responsive image best practices to maximize performance and page speed ranking for SEO.
- Proactively learned and implemented new front-end technologies, such as React Hooks, to enhance user interactions and improve overall application responsiveness.

### Front End Developer Intern

#### QP Software

📅 08/2015 - 08/2016 📍 Shanghai, China

Projects: Bazeat

- Created wireframes and mockups for visualization of page designs
- Built extensive test coverage using frameworks like Jest and Enzyme.
- Provided technical support for web applications and worked closely with UX/UI Designers
- Design GUIs that are user-friendly, operationally functional, and visually appealing.
- Proactively learned and implemented new front-end technologies, such as React Hooks, to enhance user interactions and improve overall application responsiveness.

## EDUCATION

### Master's in Computer Science

#### Fudan University

📅 08/2015

- Senior Member, Fudan University's Computing Society

GPA

3.8 / 4.0

### Bachelor's in Computer Science and Technology

#### Jilin University

📅 08/2012

- Dean's List, Academic Excellence Award

GPA

3.9 / 4.0

## SKILLS

Magento

UI Design

MongoDB

MySQL

PostgreSQL

Oracle

### Mobile App Development

React Native

Flutter

### Cross Platform Development

### Systematic Debugging

### Third-party API integration

### RESTful API design and integration

### Version Control

Git / GitHub / Bitbucket

JIRA

### Team Collaboration

### Team communication and Coordinatiing

### Documentation

### Photoshop / Figma / Zeplin

### Prototyping and Wireframing

### User-centered Design Principles

### Object-Oriented Programming

Mocha

Jasmine

Cypress

Jest

Enzyme

TDD

CI / CD

AWS

Azure

Docker

Kubernetes

DevOps

Agile

Scrum

### Software Development Lifecycle( SLDC)

### Fluent English

## AWARDS



### Employee of the Month, Star App Solution (2019)

Recognized for outstanding contributions, awarded for three consecutive months

## SOME OF MY SUCCESSFUL PROJECTS

### Tracktl

📍 <https://app.tracktl.com>

Tech stack: Node.js, React.js, Next.js, Socket.io

- Tracktl was a significant project where I served as the lead developer, overseeing its successful delivery. This real-time music-streaming application, built with Node.js, React.js, Next.js, and Socket.io, served as a digital jukebox tailored for businesses and events.

### My Therapy Assistant

📍 <https://www.lumohealth.care>

Tech stack: React, Typescript, Node.js, Express

- The platform's unique features and user-centric design have created a comprehensive mental health solution. Successful integration with HealthCode enhances accessibility by enabling insurance payments for therapy services. This project showcases our commitment to overcoming challenges and delivering a holistic mental health platform.

### Qogita

📍 <https://www.qogita.com>

Tech stack: React, Next.js, Python

- Qogita, a global eCommerce retail web application, marked a significant chapter in my role as a leading full-stack developer. I contributed to its success through a tech stack featuring React, Next.js, and Python for seamless integration with REST APIs.

### Scible

📍 <https://www.scible.com>

Tech stack: Vue.js, Nuxt.js, Node.js

- Creating Scible, an e-learning web application with a focus on communication and media using Vue.js, Nuxt.js, and Node.js, presented distinctive challenges.

## AWARDS



### Level 3 Employability Skills Certification

Attained Level 3 certification, showcasing a well-rounded skill set