# John Chao

## Senior Full Stack Developer

Richmond, BC, Canada

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Dedicated and reliable Full Stack Developer with a proven track record of delivering secure, scalable, and accessible web applications.

Well-respected among industry-leading companies as a skilled developer who truly understands the client infrastructure and pain points.

Possess a hands-on technical aptitude for designing and building innovative solutions.

Nearly 8 years of professional experience, including development, training, management, and consulting, have equipped to tackle complexity with confidence and efficiency.

Friendly and proactive approach, combined with an unwavering commitment to high-quality standards, ensures exceptional outcomes.

## Work Experience

### Senior Full Stack Developer - Star App Solutions

Oct 2019 - Dec 2022

Star App Solutions is a leading software company providing template design, software development, and website development services. As a Senior Full Stack Developer, I was responsible for designing, constructing, and ensuring quality and efficiency in web applications.

Projects: Tracktl, Talent Alpha

• Developed secure, scalable architecture for web applications using Node.js, Express, React, Redux, Vue, Nuxt.js, Next.js, GatsbyJS and MongoDB.

• Re-coded applications using React, reducing page load times by up to 65%.

• Optimized application performance through debugging, refactoring, and best practices.

• Collaborated with developers to integrate third-party services, such as payment gateways.

• Managed both back-end and front-end aspects of the development process.

• Adapted 50+ clients' websites to changing industry standards, designed application architecture on TypeScript, React, and Redux, accelerating development rates by 15%.

• Migrated an application to the cloud, reducing hosting costs by 50%.

### Full Stack Developer - Star App Solution

Sep 2017 - Oct 2019

Reporting to the Head of Web Development for a website development business, responsible for the full lifecycle of web development, creating responsive and functional client websites.

Projects:My Therapy Assistant, Qogita

• Built a large-scale front-end codebase using React with hooks to create complex components.

- Created a transactional data storage module that uses MongoDB in Node.js and JavaScript.

- Created back-end services for data manipulation and business logic using Node.js, Express, NestJS and Python Django.

- Developed product tours with React, improving customer adoption and increasing revenue.

- Configured servers for hosting web applications in a Linux environment.

- Contributed to process efficiency improvements.

- Programmed applications and tools using object-oriented languages.

- Resolved compatibility issues between different browsers and devices.

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## Front End Developer - Jeet Technology Corp

Aug 2016 - Sep 2017

Jeet Technology Corp specializes in medium-scale e-commerce website development and mobile app development. Collaborated to optimize UI/UX and enhance user engagement.

Project: Scible, Clicsante

- Developed intelligent search functionality in React, increasing page views per session by 22%.

- Improved page load speed by 15% through browser caching and server response time enhancements.

- Utilized Node.js and GraphQL to create APIs, reducing time to ship new front-end features.

- Built extensive test coverage, reducing customer complaints by 7%.

- Worked with UX/UI design teams to improve applications, increasing conversion rates by 20%.

- Collaborated with an agile team to migrate a legacy company website to React and Sass.

- Translated design team's UX wireframes and mockups into responsive, interactive features using HTML, CSS, and JavaScript, increasing user engagement by over 200%.

## Front End Developer Intern - QP Software

Aug 2015 - Aug 2016

Project: Bazeat

- Created wireframes and mockups to visualize page designs before coding.

- Built reusable components for multiple projects.

- Provided technical support for web applications.

- Researched new tools and libraries to enhance user experience.

- Worked closely with UX/UI Designers to implement visual designs into code.

- Translated mock-ups into interactive features using HTML, CSS, and JavaScript.

# Education

### Fudan University
Aug 2012 - Aug 2015

Master's Degree in Computer Science

### Shanghai University
Aug 2009 - Aug 2012

Bachelor's Degree in Computer Science

# Skills

- Front-End Development:
  - HTML, CSS
  - JavaScript (ES6+)
  - Front-End Frameworks and Librarys:

    React, Redux, Vue.js, Angular.js, Next.js, Gatsby, Nuxt.js
  - TypeScript
  - Apollo Client
  - Styling: TailwindCSS, MaterialUI/Fuse, SCSS
  - Responsive and Mobile-First Design
  - Web Accessibility (WCAG)

Back-End Development:

- Node.js (ExpressJS, NestJS, Fastify)
- Python (Django, Flask)
- Websocket and Real-Time Applications
- GraphQL and Apollo Server
- PHP (Laravel)
- Serverless Frameworks (e.g., AWS Lambda)
- Firebase, Firestore
- API Design and Development
- Data Modeling and Database Optimization

Mobile Development:

- React Native
- Flutter and Dart

Version Control and Collaboration:

- Git (GitHub, Bitbucket)
- Issue Tracking: JIRA
- Collaborative Development Workflows
- Team Communication and Coordination

Databases:

- MongoDB
- MySQL
- PostgreSQL
- Database Design and Optimization

UI/UX Design:

- Design Tools: Photoshop, Figma, Zeplin
- Prototyping and Wireframing
- User-Centered Design Principles
- Usability Testing

Testing:

- Test Frameworks: Mocha, Jasmine, Cypress, Enzyme, Jest
- Test-Driven Development (TDD)
- Continuous Integration and Testing (CI/CD)

Cloud Architecture and Services:

- AWS (Amazon Web Services)
- Serverless Computing (e.g., AWS Lambda)
- Cloud Infrastructure Management (e.g., Cloudformation)

- Cross-Platform Development

- Mobile User Experience (UX)

- Digital Ocean

- Twilio (Messaging and Communication)

- Google Cloud Storage

Development Methodology:

- Agile

- Scrum

- DevOps Principles

- Software Development Life Cycle (SDLC)