John Chao

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Summary

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 training, management, and consulting, have equipped me to tackle complexity with confidence and efficiency. My friendly and proactive approach, combined with an unwavering commitment to high-quality standards, ensures exceptional outcomes.

Skills

**Front-End Development:**

* HTML, CSS
* JavaScript (ES6+)
* Front-End Frameworks: React, Redux, Vue.js, Angular.js
* Front-End Libraries: 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
* Cross-Platform Development
* Mobile User Experience (UX)

**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
* NoSQL and SQL Databases

**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)
* Digital Ocean
* Twilio (Messaging and Communication)
* Google Cloud Storage

**Development Methodology:**

* Agile
* Scrum
* DevOps Principles
* Software Development Life Cycle (SDLC)

Work Experience

**Senior Full Stack Developer | Star App Solutions | Richmond, BC | 2019.10 – 2022.12**

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: Talent Alpha, Tracktl

* 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 Solutions | Richmond, BC | 2017.9 – 2019.10**

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: Distrikt, Qogita

* Built a large-scale front-end codebase using React with hooks to create complex components.
* Designed database schemas using MongoDB.
* Created back-end services for data manipulation and business logic using Node.js, Express, NestJ and Python Django.
* 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.

**Front-End Developer | Jeet Technology Corp | Surrey, BC | 2016.8 – 2017.9**

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

* 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%.
* Developed product tours with React, improving customer adoption and increasing revenue.
* 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 | Shanghai, China | 2015.8 – 2016.8**

**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 and Training

Fudan University – Shanghai, China | Master’s Degree in Computer Science

Computer Science, 08/2015

Jilin University – Changchun, China| Bachelor’s Degree in Computer Science

Computer Science and Technology, 08/2012

Accomplishments

- Employee of the month for three consecutive months, 2019

- Level 3 Employability Skills

- Senior Member of the Fudan University’s Computing Sciety

I have honed my skills in full-stack React and Vue solutions and Next.js, Nuxt.js and Javascript-based API systems.

I also specializes in Django with expertise deploying to both server and serverless envionments on AWS.

Recently, I picked up static site generators such as Jekyll and GatsbyJS in combination of React.



<https://starappsolutions.com/>



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<https://qpsoftware.net/>