

Victor He

+1-607-2841861 | victorhe952@gmail.com | [GitHub](#) | Durham, North Carolina, 27701, USA

SUMMARY

- With more than 5 years of frontend development experience, a highly self-motivated and collaborative software engineer.
- Solid understanding of frontend technologies like React, HTML, CSS, Sass, Javascript, Typescript, Vue.js. Also familiar with backend techs like Node.js, MongoDB, Express.js, MySQL.
- In-depth knowledge of using React like JSX, functional & class components, HOC, Redux, react-router, custom hooks and life cycle methods.
- Hands-on experience with Agile/Scrum methodology and doing unit test by Jest & React testing library.
- Experienced in Restful API, HTTP requests (Axios, fetch, promise)
- Proficiently using version control tools like Git, GitHub and GitLab.
- Proficient in UI design like using Figma, and reusable component libraries like Material UI, Ant Design, Bootstrap. Also modern style sheets like SASS and TailwindCSS.
- Familiar with modern web design like responsive design and performance optimization methods like pre-caching, lazy loading and CDN. And utilizing modern frameworks like Next.js.
- A quick learner of newly updated technology and a team player with effective communication skills with product managers and UI designers. Always passionate and positively dealing with any challenges.

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript

Frontend: React, Next.js, MUI, TailwindCSS, Bootstrap, SASS, HTML, CSS, Webpack, Babel, Storybook, ejs

Backend: Node.js, Express, Koa, RESTful API, MongoDB, SQL

Other: Postman, Git, Jest, JIRA, Figma, Azure, R, Hadoop, canvas, D3.js

EXPERIENCE & PROJECT

Assurant | New York, NY

Software Engineer

Sep 2021 - Present

Project: Assurant E-Commerce Platform

The Assurant E-Commerce Platform is a set of software and services that drive higher user conversion rates for home appliance warranties and mobile protection products. The progressive web application covers end-to-end consumer sales flow from the initial landing homepage to the final sales confirmation like choosing an insurance plan, comparing plan and product details, processing orders, checking order & service status. Users are able to make such operations with an easy and friendly user interface through a diversity of devices.

Responsibilities:

- Lead the development and design of an internal UI component library for the PWA using React, Next.JS, SCSS, TypeScript, HTML, Prettier, Storybook and etc.,.
- Built and configured the fundamental structure of the web application including React routers, Redux, Next.JS, and Axios.
- Using Props and States of class components, managed one-way data flow to create reusable React components.
- Worked closely with designers and product management to create, improve, and implement user interfaces. Also with QA to address any usability, performance, or accessibility issues.
- Collaborated with the backend team to consume and modify the RESTful APIs provided.
- Authentication and authorization were implemented through the use of JSON Web Tokens (JWT).
- Developed efficient and reusable styles using mixins, variables, and nested rules using CSS preprocessors like SASS.
- Utilized React Testing Library and Jest to implement functional and unit tests for the components to ensure stability and usability.
- Optimized components in accordance with Web Vitals and Next.JS for improved SEO & performance, faster loading time, server-side rendering, and accessibility.
- Engaged in the Agile/Scrum development process and reported to the administrative team regarding development progress in a timely manner to check progress and issues.

Kingsoft | Zhuhai, Guangdong, China*Front-End Developer*

Aug 2020 - Aug 2021

Project: DUBA.com Web Application

Kingsoft Corporation is a Chinese software company that operates multiple software and internet services including gaming, cloud platforms, and security. Duba.com is a web application that helps users to navigate a network of information resources on the Web, it's collaborated with different companies in multiple areas including news, searching machines, news, and advertisements, and made a huge amount of referral traffic. All the info and portals are designed to display in a clean and easy-to-use UI.

Responsibilities:

- Involved in developing and designing a variety of features in the applications including the logic of functions, component layouts, advertising portals, and RESTful APIs.
- Helped the team to transform and reconstructed the web application from old styled jQuery to Vue.js base, also built different versions of the application to enhance the compatibility in different platforms.
- Conducted unit tests using Jest and Vue Testing Library, and took part in timely code review sessions to improve coding techniques.
- Practiced version control throughout the development process, checking conflict during merging and ensuring effectiveness using Git.
- Utilized Vue Router to provide a smooth user experience for large load SPA.
- Implemented various authentication features like web tokens, sso and OAuth to enable 3rd party login and better user experience.
- Built reusable and easy-maintaining UI components to reduce implementation time.
- Coordinated with a variety of departments to receive feedback and update the application features based on the inputs and outputs, helped the company with inbound marketing and increased 35% of network revenue.

Ford Motor Co. | Dearborn, MI*Full-stack Software Engineer*

Aug 2018 - Jul 2020

Project: Ford Mobility Products Metrics

To enhance the car buying experience, especially in the digital areas as consumers are buying cars online in a great number. The Products Metrics is going to keep track of the website and internet service and make sure they are running smoothly, including building new features for the online commerce pages, a web metrics dashboard, and intuitive chatbots for the internal engineers to get up-to-date information on all internal metrics.

Responsibilities:

- Constructed modern responsive websites with HTML5, CSS3, CSS module, JavaScript, and React using close collaboration with UI/UX designers, product managers, and engineering leadership.
- Built a 7/24 online chatbot using Node.js and botkit.js with the ability to chat with the users on reporting issues, updates of API working status, and scheduling data analysis reports to internal developers supporting both Slack and WebEx Team applications.
- Implemented the pixel tracker for the web pages using React, Redux, and functional components to help track the user's basic behavior while browsing the website in a legit and efficient manner.

- Helped redesign of RESTful APIs to fetch inputs provided by various departments to get the monitoring process more efficient.
- Implemented MongoDB to store the records of the reports and scripts of metrics changes, errors, and working status.
- Integrated the Grafana dashboard using Kusto query for data monitoring and data visualization to keep track of the working status of metrics like APIs.
- Using Git to manage the version control and synchronizing the working status by the teams.
- Participated in the Agile/Scrum development process.

PERSONAL PROJECTS

Yelp Camp Web App

Full-Stack Developer

- Designed and Implemented a real-industry-like application in Yelp style and supports user system, search/review/create campgrounds features using Node.js, Express.js, MongoDB, EJS and Bootstrap.
- Users are able to search desired campgrounds by name or location and sort by highest ratings, reviews and prices just like Yelp, and also create/edit/remove a campground as the camp owner with all profiles stored.
- Integrated the responsive web design, user authorization and Google Map API.

Tools: Javascript, HTML, CSS, Node.js, EJS, Express, MongoDB, Bootstrap, API design, Axios.

Facipe Web App (<https://facipe.herokuapp.com/>)

Front-end Developer

- Developed a fully responsive web application by Vue.js which supports a variety of devices and designed multiple layouts for mobile use and large screen, deployed the live application on Heroku.
- Helped users to save money and prevent wasting food by utilizing the food they have, generating food recipes with step-by-step instructions with appealing visualizations and persuasive design.
- Integrated a dynamic panel with input sections of user needs / an attractive recipe gallery / recipe details page / feedback and reward points feature / personal profile page.

Tools: Javascript, Vue, HTML, CSS, ElementUI, Responsive design, flexbox.

EDUCATION

Cornell University

GPA:3.9/4

Master in Information Science