

Yifan (Ivan) Zhang

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Objective

Front-end developer with Vue.js and React.js experience developing scalable, responsive, and accessible SaaS web applications to enable a seamless user experience. Ability to learn challenging concepts quickly and work effectively as part of a team to provide customized solutions. Recognized for outstanding contributions towards objectives through the superior organization, problem-solving, and communication skills. Fluent in English and Mandarin.

Areas of Expertise

Skills: Project Management | Agile Methodology | Business SaaS-ERP Integration | Software Development Life Cycle

Languages: JavaScript (ES6+) | CSS (SCSS, SASS) | HTML | Java | TypeScript

Framework: Vue.js | React.js | Redux | GraphQL | Webpack | Vuex | IndexedDB | Express.js | PostgreSQL | Mocha

Employment Experience

Huawei Technologies Co., Ltd.

Front-end Engineer (Huawei Consumer Business Group)

Dec 2020 - Aug 2022

- Developed a door-to-door work order dispatch platform using Vue.js and Springboot to manage the personnel scheduling workflow for over 200 dispatchers, 1,500 hotline agents, and 2,000 product technicians.
- Designed a spare parts forecast workflow used by 3,000 Huawei service stores, resulting in a 67% prediction accuracy rate and an 88% inventory satisfaction rate.
- Utilized Vue + ECharts to create interactive data visualizations on daily spare parts consumption and prediction.
- Reduced operating costs by 12% by building a mobile HTML5 application (based on Uni-App) to simplify the order placement process.
- Improved client-side rendering performance and reduced API request pressure by 40% daily using indexedDB with Redis.
- Liaised with the back-end team to design, define, and implement GraphQL types and resolvers.
- Developed RESTful services with TypeScript to provide the CRUD (Create, Read, Update and Delete) capabilities.
- Improved the Home Page loading time for the Work Order platform from 6.18s to 2.55s by using Vuetify, Vue Router, and RESTful APIs to build reusable eCommerce components and optimize rendering performance.
- Implemented a real-time "Recommended-inventories Re-generating System" to update predicted inventory needs for specified Huawei stores, saving 30% waiting time compared to traditional software.
- Developed the Data Studio platform and transferred product information data using PostgreSQL to generate training data for AI teams, improving prediction accuracy from 37% to 67% during system integration testing.
- Responded promptly to production incidents using HIS (AWS-like platform) tools and led 50+ version releases with no production incidents.
- Replaced an older system based on Dynamic 365 with a React.js + Redux + MongoDB-based microservice to manage user purchase warranties in South Asian regions.

Information Developer (Huawei Network Production Group)

Oct 2019 - Dec 2020

- Decreased the number of tickets by 33% by designing a Q&A online robot (React.js + Node.js) for inner users.
- Streamlined the size of API documents produced by Adobe Dreamweaver by 60% via transferring data and documents to a cloud docs platform.
- Worked with product teams and other stakeholders to keep the developer website content updated.

Education

Master of Engineering Management and Certificate in Data Mining

Northeastern University, Boston, MA

Bachelor of Mechanical Engineering

University of Tulsa, Tulsa, OK