

Huang Haoyang

 15989182446 |  1003982989@qq.com |  Front-End Developer |  June 1996



Education

Bachelor's Degree from Sun Yat-sen University

School of Data Science and Computer Science

September 2014 - June 2018

Work Experience

ByteDance Technology Co., Ltd.

Front-End Developer

April 2022 - Present

Technical Stack: React + NodeJS (Gulu)

Responsibilities (May 2023 - Present): Working in the Interactive Entertainment Research and Development Department, responsible for the iteration of manufacturer platforms and operational platforms.

Key Achievements:

1. Manufacturer Platform Performance Optimization
 - Determine Optimization Indicators: Implement slardar performance tracking sdk in the micro-frontend main application and sub-application. The main application is responsible for obtaining login information and rendering the menu, and reporting the completion time of menu rendering as the FMP indicator. The sub-application is responsible for rendering the main page content and reporting its completion time as the LCP indicator. The optimization mainly focuses on these two indicators.
 - First-Screen Unpacking Optimization: Use splitchunk to reduce the volume of the first. Packages not required for the first-screen are preferentially split into async chunks, and the rest are split into init chunks, vendor chunks, and common chunks. The vendor chunk contains most packages, the common chunk contains large and common packages, and the remaining is the init chunk. So the entry html file loads the script references of init, vendor, and common chunks, and uses defer for asynchronous loading, which reduces the first-screen package size and greatly improves the loading speed.
 - Packaging Volume Optimization: Further reduce the unpacked volume by deleting unnecessary packages, resolving multi-version package dependencies, replacing with esm packages for lazy loading, and using external.
 - Resource Prefetching & Preloading: Prefetching blocking rendering interfaces such as authentication and menu interfaces to optimize the FMP indicator. Preloading the matching main and sub-application by identifying the path and matching the route components to optimize the LCP indicator.
2. Page Acceptance Chrome Extension
 - The extension provides a set of button functionalities, enabling users to create acceptance issues directly on the page. It integrates with SSO unified login and connects to the internal project management Meego workspace, directly associating and assigning requirements. Custom workspaces can also be created, and all issue data created in these workspaces can be viewed in the management backend, which is implemented using Node.js.
 - The extension container is created using Shadow DOM, achieving CSS style isolation from the page to avoid style conflicts caused by internal platforms using the same component library. The implementation involves dynamically creating links to load compiled CSS files. React components are rendered into the Shadow DOM using createPortal.
 - Users can create bug tickets directly on the page and synchronize them with Meego. Created bug lists can be viewed in the extension's "Issue Records" and can also be accessed through the management backend. This is implemented by calling Meego's exposed OpenAPI.
 - Users can create UI markers anywhere on the page, filling in issue descriptions, priority levels, assigning responsible persons, and fix status. UI markers leave mark icons on the page that can be toggled between hidden and visible states and can be deleted. Responsible persons receive Feishu notifications, and upon completion, they notify the creator to update the fix status.

April 2022 - May 2023, worked in the International E-commerce Department, responsible for the Supply Chain Product Center and Influencer Marketing System iterations.

Key Achievements:

1. Successfully launched new business capabilities for the Product Center and Influencer Marketing within six months. After three months of online operations, achieved over 8,000+ product listings and expanded to 12 countries.
2. Supporting Team Infrastructure Development:

- Frontend Infrastructure: Standardized micro-frontend sub-application code structure, implemented unified ESLint standards and supported business component library development to Improve development efficiency and standardized code style
- BFF (Backend For Frontend) Infrastructure: Developed BFF plugin scaffolding, standardized Jest unit testing specifications and ESLint standards, enhanced plugin development efficiency and reduced entry barriers. Developed API response plugins to standardize backend data structures for unified frontend processing. Developed RPC interface transmission plugins for quick backend RPC interface integration, improving development efficiency

Shopee Information Technology (Shenzhen) Co., Ltd.

April 2020 - April 2022

Front-End Developer

Tech Stack: Vue2 + NodeJS (NestJS)

Worked in the Risk Control Department, responsible for the Risk Management System iterations.

Key Achievements:

1. Workflow Drag-and-Drop Component: Developed to enable more flexible anti-fraud rule configuration, improving configuration efficiency and user experience. Designed and developed a workflow drag-and-drop component based on bpmn-js, covering all system workflow display scenarios.
 - Data Transformation: Designed a frontend Designer layer for converting data between bpmn-js and backend formats.
 - Node Extension: Designed a BaseNode base class that intercepts bpmn-js events to add lifecycle hooks. Node-specific features are implemented in their respective classes. New nodes can be added by simply implementing new classes, improving maintainability and extensibility.
 - Reliability: Implemented workflow integrity validation to ensure correct node and process configurations. Added error monitoring with global error capture and reporting to Sentry for quick problem identification and troubleshooting.
2. Dynamic Work Order Configuration: Abstracted work order configurations into database tables, provided custom configuration pages, and used configuration results for dynamic work order rendering.

SHEIN International Import & Export Co., Ltd. (Guangzhou)

March 2019 - April 2020

Front-End Developer

Tech Stack: React Ecosystem

In the Supply Chain Department, responsible for Supplier System iterations.

Key Achievements:

1. Built and improved the authentication module, implementing detailed permission controls for critical system functions and data to prevent data leaks and unauthorized operations.
2. Developed and maintained business component libraries and utility libraries, which improved code maintainability and reusability, reducing development costs and maintenance complexity.

Guangzhou CloudMap Data Technology Co., Ltd.

July 2018 - March 2019

Front-End Developer

Tech Stack: Vue2 + PHP

A startup company focused on developing database monitoring and auditing tools for other enterprises.

Responsible for all frontend development and PHP API development, from internship to full-time position. The company develops database monitoring and auditing tools that are provided to other enterprises.