Rhett Harris

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software engineer
Website: https://huaixvv.github.io/rhett-cv

SKILLS

- **Language**: JavaScript&Typescript, HTML/CSS, Java
- **Framework**: React.js, Next.js, Vue.js, Tailwind.css, Node.js, Nest.js, Spring, Springboot
- **Web3**: Ether.js, Hardhat, Solidity, Wagmi, Ganache
- **Development Tools**: Git, Linux, VS Code, WebStorm, Intellij, Postman
- **Database**: MySql, Redis

WORK EXPERIENCE

Zilan Information Technology Co., Ltd.   2020.06 - 2022.03

Software Engineer

The company primarily focuses on online sales of automotive products and develops SaaS systems for partner companies.

- Responsible for the development of the company's SaaS systems, such as e-commerce platforms, WMS, TMS, etc.
- Involved in requirement analysis and design, collaborated with product and UI designers to perform initial testing
- Participated in building team efficiency tools, technical sharing, and the encapsulation and maintenance of shared components.

Yuanwei Microelectronics Technology Co., Ltd.   2022.06 - 2024.02

Software Engineer

The company primarily focuses on the development of CAM software, serving the CNC graphic drawing needs of the company, such as the drawing of circuit board graphics.

- Responsible for web development of CAM software, including file management and research on supporting script languages.
- Researching the development of a workflow engine, building a workflow framework from scratch that includes sequential and parallel functionalities.

PROJECTS

1. Logistics Management System (Frontend Developer)

Mainly includes functions such as delivery order management, delivery, and map visualization operations.

Responsibilities:

- As a project team leader, responsible for requirements review, progress control, feature design, as well as development and maintenance of system functionality.
- Developed foundational data management, order management, order dispatch, and map visualization pages.
- Displaying orders, vehicle positions, and travel paths on the map, utilizing asynchronous rendering of coordinate points to significantly reduce page loading time.
- Utilized a visual approach to appropriately allocate waybills to transport vehicles. Shared map-related operations and documentation within the team.

2. Points Mall (Frontend Developer)

The function of the points mall is for distributors' employees to use points to redeem products in the mall. It includes both the mall website and the backend management system. The main modules consist of products, orders, shopping carts, and so on.

Responsibilities:

- As the project manager,I am responsible for requirements analysis, workload estimation, and project progress tracking.
- Developed goods page, shopping cart, and order page, implemented remote fuzzy search functionality, and encapsulated common components such as navigation bars and products.
- Encapsulated Axios functionality, uniformly handled request and response data, added prevention of

duplicate submissions, and implemented data caching functionality.

3. Car Refueling H5 page (Frontend Developer)

The project is a B2C (business-to-consumer) one. Users access the refueling page through an app, where they can place an order for refueling and enjoy certain discounts within the application.

responsibilities:

- responsible for developing business components related to displaying gas station information, selecting fuel nozzles.
- use the keep-alive component and global route guards to achieve the functionality of returning to the previous scroll position when navigating between pages.
- To reduce page loading time and improve page performance, use image lazy loading, request merging, and caching inactive data.

4. Page Development Tool

SaaS system, with a focus on list&table pages, where pages are highly similar. To enhance development efficiency, we've organized some basic page templates and developed tools to quickly generate pages. Further development can be done based on these templates.

Results: Produced both a *CLI tool (command tool)* and a *VS Code visual plugin*.

Responsibility:

- Analyze the similarity between pages of different systems and maintain templates of different types based on page functionality, from the perspective of business lines.
- Responsible for GitLab authorization and template generation functionality development for CLI tool. Utilize common templates maintained in GitLab to quickly generate page models through commands.

5. CAM Software Development (Full Stack)

CAM software primarily serves the company's CNC graphic drawing needs, such as the drawing of circuit board graphics.

developed using *Java, Springboot, React, Redux, Next.js, Tailwind.css, MySql, Redis,* etc.

responsibilities:

- Develop CAM file management with optimized upload speed using breakpoint resume capability.
- Notify the frontend of operations such as file parsing completion and command execution using server push technology.
- Designed and developed a workflow engine utilizing JSON as the modeling language. It supports sequential and parallel functionalities, and employs React and LogicFlow for graphical rendering.
- Support Cshell scripts; use upload Cshell script file in web page, and the backend parses the scripts into JSON, pushing them to the frontend through the server, where the frontend executes the corresponding operations.

6. Dencetral Hub

These are some examples of Web3 projects, including a wallet, address builder, Hera token, faucet, and airdrop. All contracts have been deployed on the Sepolia testnet.

Website link: ***https://huaixvv.github.io/decentral-hub-front***

developed using Next.js, React.js, Solidity, Tailwind.css, Ether.js, Hardhat, wagmi, etc.

- A wallet page to connect MetaMask, get balance infomation, and tranfer tokens.
- Address Builder page to generate address in batches or based on conditions.
- Develpoed the Hera Token base on IERC20 standard, including token transfers, approving allowance, etc.
- Developed pages for faucet and airpdrop functions.

Education

Hunan University Of Arts And Science

Bachelor of Computer Science and Technology

About Me

 I am experienced in both **frontend and backend development**, with extensive proficiency in J**avascript & Typescript**, **Vue**, **React**, **Java, springboot,** etc. I am actively seeking remote work opportunities, full-time or part-time. Additionally, I am currently delving into the realm of **web3** technologies, and I have developed some Dapp projects.