Diou Zhao

Frontend Develop Engineer

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LinkedIn

https://www.linkedin.com/in/diou-zhao-b75995254

Github

https://github.com/paohuoche/react-drawing-library
This library is built on Konva and simplifies the management of shapes.

https://github.com/paohuoche/video-annotation
Demonstration of ideas on the ideal format for video annotation.

SKILLS

React / Typescript / JavaScript / CSS / HTML / Next.js / Mobx / ReactQuery / TailwindCSS

PROJECT EXPERIENCE

AI Platform (annotation/training/reference)   *Sep 2020 - Now*

- This is our company's main product, which has been implemented on numerous client servers. Its key features include annotation, training, and reference capabilities. **I built the project from scratch on my own.**
- Annotation Feature：
    a. Utilizing the open-source project React-Konva to create custom shapes, we have consolidated comprehensive annotation features into a standalone npm package for easy reuse in other projects.
    b. Supported custom shapes include: Rectangle, Quadrangle, Polygon, and OrderedPoints (where every two points are connected with a line in the order of creation).
    c. Supported actions include changing size, location, scaling, and redo/undo functions.

- Project Structure：
    a. Establishing infrastructure, planning routes, and determining the state management approach.
    b. Defined project rules: I separated the views layer and states layer as much as possible. I also organized the directory structure in a standardized way: pages, components, queries, states, types, etc.
    c. Transitioned to a monorepo structure using pnpm, consolidating components, types, styles, and configurations into a shared module.
- Technology Stack： React / Typescript / Mobx / React-Query / Konva / Pnpm / Rollup

Large Language Model Platform   Aug 2023 ~ Now

- This product is currently in development with the main goal of helping clients create a personalized model for their individual needs.
- I implemented this project using Next.js, which helped me improve my understanding of server-side rendering concepts and practices. It also allowed me to apply new optimization methods.

Mobile client of Dafangya(Chinese zillow)   *Apr 2018 -Jun 2020*

- Implemented all existing business features on the app.
- Utilizing the React SPA structure, with special features such as maps, charts, and payment integration.
- Optimization:
    a. Implementing code splitting and asynchronous loading can accelerate page loading speed.
    b. Analyze the bundled files and reduce their size.
    c. By implementing a virtual technique on the home page, which consists of an endless list of cards, we can enhance the smoothness of page scrolling.
    d. Reduce unnecessary re-rendering by using PureComponent or React.memo.

- Technology Stack： React / Typescript

WORK EXPERIENCE

Senior frontend developer - *Cloudwalk*   *2020.06 - now*

I'm responsible for building multiple projects from scratch individually, some of them serves as the company's core products.

Senior frontend developer of mobile client - *Dafangya*   *2018.04 - 2020.06*

Implemented all business features on the mobile browser that already have existed on App.

Frontend Developer - 大查柜网络科技有限公司   *2017.02 - 2018.02*

Developed and maintained the Office Automation platform

Frontend Developer - *Jiuhuar*   *2016.03 - 2016.11*

Created the initial version of the official website and maintained the Weixin shared pages.

Bioinformation analysis engineer - *Majorbio*   *2012.03 - 2016.02*

Wrote Python scripts to analyze the results of gene sequencing.
Developed static web pages to showcase gene sequencing results along with charts.

EDUCATION

Zhejiang University of Technology   Biotechnology   *Sep 2007 − Jun 2011*

Cover Letter

Hi,

I've been working as a frontend developer since 2016, my technical stacks mainly around react and typescript. I specializing in mplementing high-quality design prototypes, I have extensive experience in structuring react components. You can review my programming skills through the code in two pinned projects on my GitHub page.

At my current company, I work as a lead front-end programmer responsible for developing the infrastructure and implementation details. Involved in developing multiple projects from scratch, some of them have become the company's main products.

About Location

1. I currently live in Shanghai China. I am able to work remotely and can adjust my schedule to align with your core working hours as much as I can.
2. I am open to relocating to your location and would be grateful for visa sponsorship.

Expected Salary

Based on the location.

I hope I can get a chance to meet you online, please do not hesitate to contact me at your convenience. Thanks for your time and I look forward to speaking with you.

Sincerely,

Diou