Yuhao Chen

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WORK EXPERIENCE

Software Engineer — May 2023 – Present
StackAdapt · Permanent Full-time

- Contributed to the UI and backend services for the creative library, allowing advertisers to visualize, manage, and customize their Ad creative assets on the web platform. (React, Typescript, GraphQL, Ruby on Rails)
- Pioneered the transition from polyrepo to monorepo across our 200 people engineering team. Created a monorepo POC with Nx which won the company-wide hackathon in 2023. Then led the effort across multiple teams to migrate their micro frontend codebases into the monorepo. The monorepo solved a lot of pain points in regards to code sharing and dependency management, which greatly reduced our frontend infra maintenance cost. (Nx Monorepo)
- Modernized our frontend tech stack by transitioning from Webpack to Vite, and from Babel to SWC, which led to 10x speedup for building, and instant dev server HMR. (Webpack, Vite, SWC)
- Led the Ad Previewer project where we use playwright servers to capture screenshots from websites in real Ad bidding requests and detect Ad slots on them. Implemented the UI to overlay users' Ads on top and show them how their Ads would look like from the real Ad placements. (Ruby on Rails, Sidekiq, Playwright, React, Typescript)

Software Development Engineer — Aug 2022 – Dec 2022
Amazon · Internship

- Contributed to Ads measurement data ingestion and reporting infrastructure. Built a data lineage tool to keep track of all the metrics across our Elasticsearch indices. It provides insights to help the team identify errors in our ETL pipelines, significantly reducing our customer tickets processing time. (Java, Python, AWS, PostgreSQL, React)

Software Engineer — Jan 2022 – Apr 2022
Wish · Internship

- Contributed to the web components and backend services for the merchant-facing dashboard. (React, Typescript, Python, GraphQL)
- Built a Javascript code deprecation analysis tool by analyzing and parsing abstract syntax trees. Deprecated more than 200 legacy files with more than 30,000 lines of code. (Node.js)

Front-end Developer — May 2020 – Jan 2021
ByteDance · Internship

- Contributed to the internal WYSIWYG web builder, adding multiple draggable components with built-in business logic. The web builder enabled rapid construction of mobile compatible promotional pages with millions of page views. (React, Redux, Typescript)
- Developed a UI library of customizable swipers, which were applied to the end-of-year summary pages across three product lines, totalling more than 9 million page views. (React, Typescript)

SELECTED PROJECTS

FileGPT (Co-founder) — March 2023 – Present

https://filegpt.app

A web application that reads and understands files, audios, and videos with GPT-powered AI, and enable users to chat with their documents in natural language and get quick and accurate responses to their queries. The web app has recently gained 10,000 users. (Next.js, React, Typescript, Python)

SKILLS

Languages: JavaScript, Typescript, Python, C/C++, Java, Ruby, HTML, CSS, SQL, GraphQL
Frameworks and Tools: React, Redux, Node.js, Next.js, Ruby on Rails, AWS, Webpack, Vite, Nx
Protocols: HTTP, WebSocket, TCP, UDP

EDUCATION

Bachelor of Computer Science — Sep 2019 – Apr 2023
University of Waterloo, Waterloo, ON