Yangshun Tay

Contact

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Professional Experience

GreatFrontEnd
Co-founder, Apr 2023 – Present

- Built a programming challenges practice platform containing 500+ challenges across coding and quiz formats
- Created and maintained a custom design system containing 30+ components using Radix UI and Tailwind CSS
- Designed and implemented an in-browser interactive coding workspace which supports customizable windows and tabs
- Authored 95% of the challenges and technical content
- Developed all essential features of the platform – i18n, purchases (Stripe integration), email sending and subscription, ads purchasing and publishing
- Grew the platform to 1.5M monthly pageviews and 60k MAU

Meta
Staff Front End Engineer, Nov 2017 – Mar 2023

- Engineering lead for meta.com, a multi-year effort involving 40+ engineers and 20+ XFN teams to unify Meta's e-commerce sites under a single website
- Tech lead for the commerce org's web infrastructure team. Led development of multiple React-based design systems (e.g. Meta Design System) with a focus on scalability and accessibility
- Created a server-driven UI framework to allow XML-based CMS contents to be used in React websites, redefining how Meta built CMS-powered websites. Used by 10+ teams – meta.com, Facebook help center, Meta Horizon website, etc.
- Ads Interfaces (Nov 2017 – Sep 2019): Ads Front-End Infra team. Worked on an internal JavaScript state management framework used by Ads Manager, the primary revenue driver of Facebook

Grab
Software Engineer, Jun 2015 – Aug 2017

- Internal Tools (Jul 2016 – Aug 2017): Improved developer efficiency via a web-based internal ride simulation service. Improved CI build times by 2x via optimizing the monorepo setup.
- Grab for Work (Jun 2015 – Jun 2016): Engineering lead for Grab for Work, an enterprise solution for simplifying business transportation claims, used by over 30k businesses.

Skills

- **Languages**: JavaScript, TypeScript, HTML5, CSS, Python. Some experience in Golang, Ruby, Java
- **Front end**: React, Next.js, Relay, Redux, Flux, Jest, GraphQL, Flow, MDX, Tailwind CSS, StyleX, Radix UI, Lexical, A11y
- **Back end**: Node.js, tRPC, Prisma, PostgreSQL, MySQL
- **Tooling**: Babel, webpack, ESLint, Stylelint, PostCSS

Projects

Figma to Code Plugin
Created a Figma plugin to inspect Figma properties as CSS and Tailwind code

yangshun/tech-interview-handbook
Created and maintained techinterviewhandbook.org, a free interview preparation website that sees over 100k monthly and over 2M lifetime visitors. One of the most popular open source websites for technical interview preparation (120k+ GitHub stars)

facebook/docusaurus
Lead engineer and creator of Docusaurus v2 (2018 – 2020), a React-based static site generator powering the websites of many popular projects, e.g. React Native, Jest, Relay, Figma API docs, etc. Among Meta's top 5 open source projects (50k+ GitHub stars). Created Infima CSS, the default website theme

NUSMods
Ex-lead developer and maintainer of NUSMods, a student-initiated open source class timetable planning web app used by 40k+ NUS students. Made official by NUS in 2018

Talks

- F8 2019 – Using Docusaurus to create Open Source Websites
- Facebook Developer Circles Singapore Build Day 2019 - HTML5 Gaming
- All Things Open 2018 – Painless Open Source Documentation with Docusaurus

Education

National University of Singapore, Aug 2010 – May 2015
BSc in Computing, Computer Science
GPA: 4.65/5.00 (First Class Honors)
NUSS Medal for Outstanding Achievement (Best Graduate in the Course with Outstanding All-round Achievements); Dean's List; Valedictorian Finalist; NUS Kent Ridge Undergraduate Scholarship; Outstanding Young Computing Alumni Award 2021