Eddie Hsu

Basic information

Hi, I'm Eddie Hsu, an indie developer in Taiwan. 8+ years of experience, skilled in web & cross-platform apps. Please check more in the online resume here: https://github.com/apolkingg8/apolkingg8/blob/master/RESUME.md. Any feedback would be appreciated :)

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Education

B.S. degree, National Dong Hwa University

- Major: Information management
- Minor: Computer Science and Information Engineering

Work

2011 - 2014

Software developer - Early career

I like to try new things and take the challenge, so I tried many domains, both back-end, front-end, and mobile apps. I built a stock information software on Smart-TV for an investment company, it's a rare experience at that time.

2014 - 2016

Front-end developer - Plustek

Built a NAS-like storage system but focus on documents for companies & schools. I took a lot of cross-platform techs (Cordova, NativeScript, React-Native) into our production, and share the experiences in MOPCON a few years later.

2016 - 2017

Full-stack developer - KKStream

As the only senior developer of the team, my job is designing the architecture for a modular CMS system. Due to we are handling a huge and active system, we need to maintain and migrate it very carefully. I learned a lot about how to working on a large and complex service.

2018 - 2019

Full-stack developer - QCDN

QCDN is a lean startup team, so I handled many different parts there. The most challenging is to improve backend performance and reduce the GCP cost. I did both. I refactor the backend service to serverless architecture to resolve the performance bottleneck, and also reduced the cost more than 70%.

2019 - now

Indie developer

Currently, I'm an indie developer, working on Tasmap & Tiat2. Check more about what I made below.

Made

I love to make something. For practice skill, for the requirement from myself, to show my ideal, or just for fun. You can check some of them on my [PH page](#).

Tiat

https://tiat.app/

Tiat is the first software I made, a picture management software that focuses on performance and search. Tiat uses RocksDB as the main database, which is very fast on a large number of non-sequential reads, which also allows him to maintain performance under the million-level capacity. In addition, I have implemented the functions of "Similar image" and "Draw to search" in Tiat, allowing users to find the pictures they want with only a dim impression. Tiat has been developed for more than two years. Although the update is suspended due to the development of v2, thousands of users are still using it every month.

PackPanel

https://packpanel.island68.dev/

PackPanel is an experimental project, trying to use machine learning technology to solve the problem of local file classification. I created a learning model and simple UI. When the user classifies certain files into a certain collection, PackPanel will analyze the characteristic values of these files and update the model. Next time a new uncategorized file is added, PackPanel will try to classify it into similar collections.

Markdium

https://markdium.dev/

Just like its name, Markdium is a tool for converting and publishing from Markdown to Medium. The most commonly used format by developers is Markdown, and the most popular article platform is Medium, so I built a bridge between the two. Since Medium does not support the built-in Code highlight, Markdium will automatically convert the code block to Gist and embed into Medium.

Tasmap

https://tasmap.app/

Tasmap is a customizable story map. You can customize your own map and write stories on it. When it was released in 2020, Tasmap was highly rated on Product Hunt. Even under the influence of COVID-19, Tasmap has provided a beautiful and practical map platform for thousands of travelers, local guides and data visualization workers from dozens of countries in the past year. Tasmap is my first paid product. In addition to payment management, I have also accumulated a lot of experience in front-end performance and color design.

Tiat2

(Work in progress)

Tiat2 is a brand-new version of Tiat. With the user feedback from v1 and the experience of other products, it is more optimized in UX design, performance and many ways. As the matter of experience of PackPanel, the "Similar image" and "Draw to search" feature has been improved a lot. In Tiat2, I replaced the heavy-loading JS modules with Rust and WASM. It's improved 3x ~ 10x performance. In addition, Tiat2 is developed in a TDD way, although it increases some development time, it also makes it very stable and reliable.