

My Profile

I am Alex Zhang, a Frontend engineer, seven years experience of Frontend develop. The main work in the pass was: Front-end infrastructure construction, front-end module development, product development, etc.

Skill

- Frondend: Typescript, Javascript, React, React-Native, Redux, Flutter, Webpack, Scss, CSS in JS, Gatsby, Next, TypeORM
- Backend: Node, DynamoDB
- Deployment: Docker, Netlify, Travis
- Testing: Jest, Nightwatch, Cypress
- Tools: Mac, GitHub, VSCode, Atom, Telegram, Google, Gmail, Jira

Work experience

Synergy88

2015.02 - 2020.02 (Manila PH)

- Company Info: toB Integrated technology provider
- Main business: Business system development, game development and API access, IM services..
- Position: Frontend team leader.
- Responsibility: Responsible for front-end infrastructure, planning and construction of Frontend-scaffolding, code review, project progress follow-up, front-end task assignment, front-end skills presentation and training.

Guangzhou Customs

2013.07 - 2015.01 (Guangzhou China)

- Unit Info: China Customs.
- Main business: Customs Business.
- Position: Software engineer
- Responsibility: Responsible for the development and maintenance of China Customs internal business system, new system prototyping, front-end application development.

Project experience

@mini-code

Synergy88 - Front-end infrastructure

- Introduction: `@mini-code` is a organization of web frontend of base function library, provide a environment for frontend app's development and deployment, data filter, RESTFul API, Testing, etc.
- Structure:
 - `@mini-code/base-func` Core function library, provide modules of `Array`, `Number`, `Datetime`, `Eventemitter`
 - `@mini-code/request` HTTP requestment tool library, based on fetch API, provides data filtering support by middleware. Built-in `RC4 encryption and decryption` and `LZMA decompression` middleware, supporting RESTFul API
 - `@mini-code/scripts` Development environment based on `react-scripts` extension
 - `@mini-code/page-generator` Page generation tool, made to reduce the workload of management system development, improve system consistency and maintainability
 - `version-helper` A library that provides uniform application version numbers
 - `web-server` Based on node's web server, built with `typescript` + `typeORM` + `express` + `mysql` + `docker`
- Resources
 - [GitHub](#)

@deer-ui

Synergy88 - Front-end infrastructure

- Introduction: `@deer-ui` is a UI organization based on `React`, which provides flexible and extensible front-end basic support for quickly startup web applications
- Structure:
 - `@deer-ui/core` Core UI library, providing extensible UI Components foundation. atomic design principles
 - `@deer-ui/enhance-ui` Collection of enhanced UI components based on `@deer-ui/core`
- Technical tags: `typescript`, `react`
- Applications:
 - [@deer-ui/admin-scaffold](#) Frontend scaffold for admin system
 - [elk_chat](#) Protobuf-based IM client
 - [react-ui-doc](#) Document generator for writing UI Components documents with mdx
 - [gatsby-theme-elk](#) Markdown-based website generator

- Business system of company
- Resources
 - [@deer-ui github](#)
 - [@deer-ui online doc](#)

IM Client

- Github (client open source) : https://github.com/elk-chat/elk_web
- Live demo (Not commercial) : [<https://chat.thinkmore.xyz/>][chat]

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- Project Info: Used in combination with corporate business, for strategic products.
- Responsibility: Web client production, Native client (Flutter direction) planning.
- Technology: Front-end separation architecture. Using **Typescript** to build Client Application. Three layers structure, SDK -> Actions -> UI.
 - SDK is provided with **websocket** as the communication channel, **protobuf** as the underlying communication protocol's **API** package, and provided to Actions and UI data support.
 - Actions** is a package for applying core business data and corresponding operations, has a complete internal data structure, provides data for **UI**. Mainly uses Redux management solution.
 - UI** for data display and processing in response to user operations, as well as business processing, etc. Use **React** as a renderer.

Technical labels: **Typescript, Protobuf, React, Redux, Flutter**

Business Platform

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- Responsibility: Provide front-end basic technical support, front-end basic framework construction, business development task assignment, and output of various terminals (PC, Mobile, Client) applications.
- Technology: The application of front-end and back-end applications are separated. The front-end uses Node as the transit server, mainly for front-end resource allocation, IP filtering, back-end configuration for client configuration, etc.

Technical labels: **React, React-Native, Node, Electron**

Guo Ji Si Integrated business management system

Guangzhou Customs

- Project Info: China Customs Department International Division Business System, handling domestic customs officers and leading entry and exit procedures.
- System structure: System layered architecture, into **Data**, **Framework**, **Workflow**, **User**, **Web**, **Web Api**, TDD (Test-driven development) , realize the underlying logic to be highly reused, adapt to other business systems, If it need to develop other business systems, only need to implement the presentation layer **Web**.
- Responsibility: Responsible for project front-end design, implementation and front-end organization, web api development.

Technical labels: Angular, D3, RequestJs, .NET MVC 4.5, Web API, MongoDB, MSSQL

Customs postal item inquiry system

Guangzhou Customs

- Responsibility: WeChat access to the customs postal item system.
- WeChat: 广州海关12360 (gz12360) 的邮递物件查询系统.

Technical labels: Polymer, Node, MONO

Contact

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- Phone:
- Social:
 - [GitHub](#)

Self-evaluation

- Self-discipline, self-motivation, keep learning, pursuit of perfection, seeking breakthrough.