Olivia Jing

Personal HomePage

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💼 Work Experience

Joyous Limited (Auckland, CBD)

2023.02 - now   Intermediate Full Stack Developer

- **Automated nudge reminder emails, customizable for timing, audience, and content**

  Applied Tech: **AWS Lambda, NodeJs, MongoDB, graphQL**
  Mailchimp, MJML
  TypeScript, react-markdown, @mui/x-date-pickers/DateTimePicker

  Took charge of full stacks, I accomplished the project which aims to send nudge reminder emails for boosting the engagement of campaign audiences. Implementation involved:

  - A new user interface for customization on scheduling date/time, audience, and platform content.
  - Front and backend validation with updates to existing GraphQL API interfaces and database storage
  - Extension of MicroService infrastructure (AWS lambdas) to support the scheduling behavior and integration with third-party sending tools for delivery through email, SMS, and chat apps (e.g. Slack, Teams).

- **PDF and Excel report generator**

  Applied Tech: **NodeJs, MongoDB, graphQL, TypeScript**
  React, exceljs, file-saver, @react-pdf/render, html2canvas

  - Migrated an Excel report generator from an internal system to a user-facing system and ensured SOC2 compliance of the report generator.
  - Refactored the Excel report generation to reduce server load and improve user experience by increasing speed. This result was achieved by optimizing the data structures and removing unnecessary data from being transferred between the API and the frontend.
  - Enhanced the PDF generator to make it adaptable for a large range of report structures while retaining the existing look and feel of the report.

- **Improvements to SMS resending utility**

  Applied Tech: *react-hook-form, Zustand, TypeScript, NodeJs, MongoDB, graphQL*
                   Cypress, Jest Unit Test

  This project is a second iteration of the existing SMS resending feature. Besides the implementation of a new feature, I took charge of making the code more maintainable and readable, this was done by:
    - Improving code maintainability with Structural Refactoring
    - Rename variables to better reflect their purpose
    - Refactor components in line with the Single Responsibility Principle
    - Remove unnecessary and excessive code nesting
    - Enhance code readability by implementing patterns like "Return Early"

- **Live typing indicator for messaging service**

  Applied Tech: *WebSocket, NodeJs, MongoDB, graphQL*
                   React, @mui, TypeScript

  Be responsible for full-stack of Implementing a live typing indicator into a web app messaging service using WebSockets and GraphQL. Giving participants immediate visual interaction without requiring a page reload.

- **Slack Integration**

  Applied Tech: *AWS Lambda, NodeJs, TypeScript, MongoDB*

  To improve user communication, expanded contact methods by integrating Slack into our platform. I was responsible for implementing the AWS Lambda sender part which handled the delivery of diversity status documents in the database and ensured seamless integration with Slack's service.

Baidu, Inc

2017.8 - 2021.11   Senior Development Engineer (Technology Title: T6)

- **ONEMIS Platform: an intelligent platform which is able to generate front-end page automatically by configuring JSON**

  Applied Tech: *Vue.js, Vue Material, Vuex, TypeScript, Webpack, NodeJs, MongoDB*

  Be in charge of building the BAIDU Question&Answer Mis configuration platform which could generate pages directly through JSON configuration without front-end development. In addition, it can also communicate with the server data layer through the specified API, in order to provide automatic data storage and reading solutions.

- **Smart UI component library: Baidu Smart MiniApp open source component library**

  https://smartprogram.baidu.com/docs/develop/extended/ui_component/howtouse/

  Applied Tech: *npm package developing, Node.js, mini-program*

As the project owner, completed the project's architecture design and overall planning.

- In the first phase of development, worked closely with cross-departmental teams to conduct the component library from scratch.
- Responsible for feature iterations, participated in tasks prioritization, promoting the component library.
- Also responsible for documents, writing public tech sharing article and making online lessons.
- In the end, our component library surpassed its competitors, securing second place in the industry.

- **Smartprogram Developer Platform: the management system of Smart MiniApp developers**

  Applied Tech: *React, Redux, less.js, FIS3*

  Working closely with product managers and designers, build the platform at the first project phase, conducted the product features, designed components of the whole platform in order to improve the developing efficiency and keep the UX consistency.

- **Baidu Essay MiniApp: provides sample essays on diverse topics to enhance essay writing skills**

  Applied Tech: *mini-program, less.js*

  Took ownership of refactoring this project, which involves abstracting common components, reducing unnecessary code, renaming poorly named methods or variables, and dividing large files into more manageable sections. Overall, improving the maintainability of the code will greatly enhance the efficiency of this project in future iterations or development.

CITIC Application Service Provider Co.,Ltd

2015.7 - 2017.5   Front End Engineer

- **CITIC HR Management System: an internal human resource management system which could help banks to manage staffs and improve the efficiency of operation.**

  Applied Tech: *jQuery, CSS, HTML, Javascript*

  Conducted daily iteration of the system's features, including the permission tree component, the modal component, the form components, the message center and so on.

Qunar (travel search engine)

2014.7- 2015.4   Marketing Management Trainee

- **International air tickets department market & public relationship strategy assistant**

  Assist in cooperating with public welfare activities and film distributors on advertising to enhance brand influence, including AD poster design, activity & topic brainstorming creativity.

Education

Xiamen University (985 project)

2010.9- 2014.6 　　　Bachelor of Engineering in Chemical Engineering and Technology

University of Auckland

2022.2 - 2022.10 　　　PGC Information Technology　　　GPA (9/9)

Certification & Honour

AWS Certified Cloud Practitioner

Awarded by Baidu, China's largest online search engine company

- Baidu Best Team Award in Dec, 2018
- The technical title of Research&Development Engineer was promoted from T4 to T5 in Oct, 2019
- Q2-MEG Baidu Xiaozan Individual Award in 30th, Jun, 2020
- Baidu Xiaozan Individual Award in 30th, Dec, 2020
- Technical title of Research&Development Engineer was promoted from T5 to T6

Awarded by University of Auckland

- Certificate of Outstanding Achievemen in COMPSCI 719 : Programming with Web Technologies
- Certificate of Outstanding Achievemen in COMPSCI 718 : Programming for Industry Science

Self Evaluation

1. **A creative problem Solver**

2. **A curious knowledge Learner**

3. **An extremely responsible Owner**

4. **A strong executive Member**