Lawrence Liu

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PROFESSIONAL SUMMARY

I am a React developer with 2 years of working experience as developer and 2 years of experience as product designer. I am a permanent resident in Australia. My technical stack involves:

- Language: Javascript, Typescript
- Front End: React, Redux, Next.js, TailwindCSS, RESTful API, Postman
- UI/UX: Responsive Design, UX Design, Wireframe
- Back End: Node.js, Express.js
- CMS: Wordpress
- Version Control**:** Git, Github
- Database: MySQL, MongoDB
- Project Management: Trello, Asana, Jira

I am enthusiastic at coding and problem solving, seeking challenging roles that can push myself to the next level of software engineering.

EXPERIENCE

WEB DEVELOPER | 11/2023 to current

FIREHAWK SYSTEMS -TAREE, NSW

Situation:

Firehawk Systems is a digital company that specialises in providing IT services for global funeral homes. These services include customised CRM systems built by Angular Frontend and Firebase, WordPress websites, and other IT-related services.

Task:

As a web developer at Firehawk Systems, my primary responsibilities include maintaining, designing, and building sites. Additionally, I am tasked with testing and troubleshooting CRM systems coded by Angular and utilising Firebase services. Another important aspect of my role is communicating with multiple clients to provide IT support.
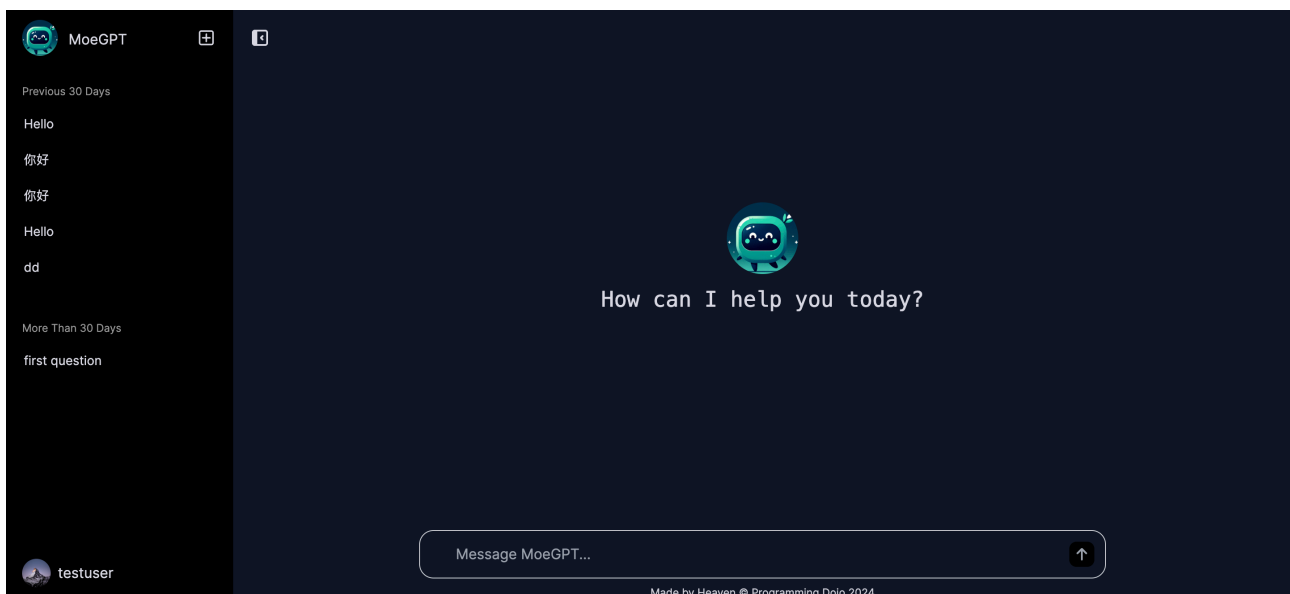
Action:

On a daily basis, I provide IT support by addressing and fixing issues with websites and designing them according to clients' specific requirements. I also dedicate time to coding personal projects using React ecosystem.

Result:

Through my work, I have gained extensive experience in front-end development and have become adept at efficiently translating clients' requirements to code. I have built a GPT project in my spare time using React.

(UI of the MoeGPT project)

FULL STACK DEVELOPER | 04/2023 to 11/2023

LYRA EDUCATION - SYDNEY, NSW

Situation:

Lyra Education sent a solution Architect and a full-stack developer intern to fulfil a client's request. The client sought a web developer to create a website with Asana-like features, specifically the ability for multiple users to collaborate on a Kanban.

Task:

Built an Asana-like team collaboration Kanban tool using React for small team internal usage.
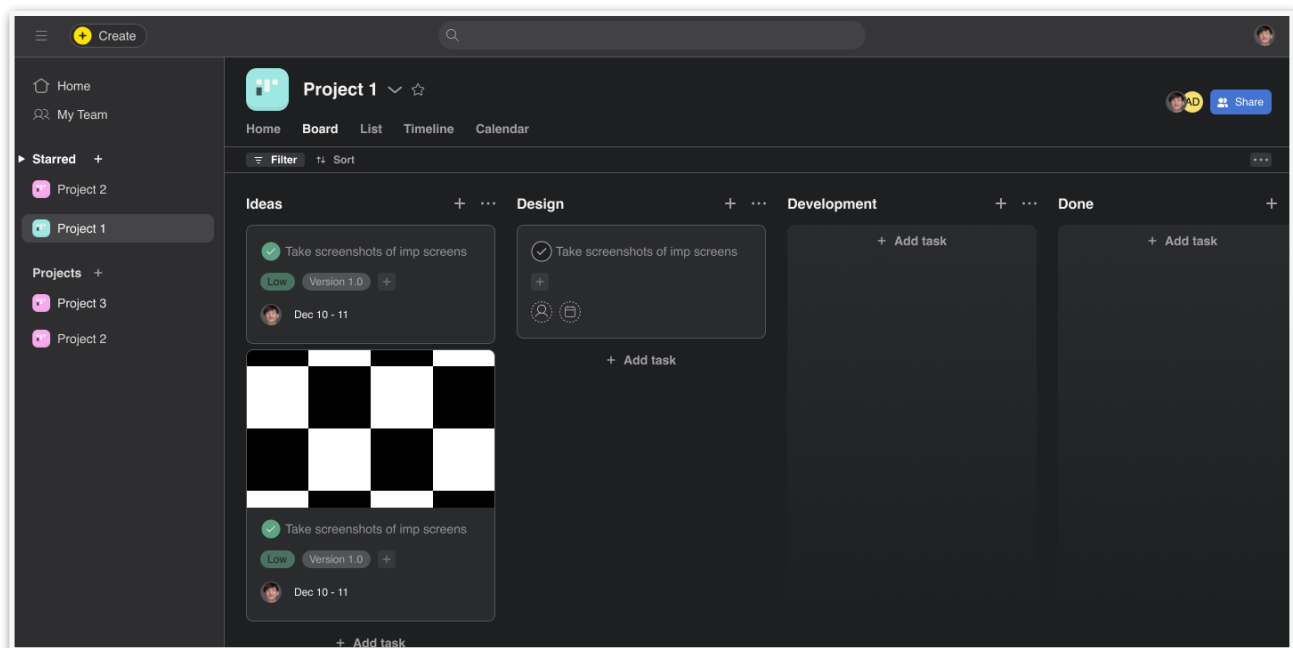
Action:

The design of Iasana was made using **Figma**, project management was conducted through **Jira**. On the frontend side, the Iasana project adopted **React SCSS, MUI** and **Redux** using **Redux thunk** to fetch the data. Used **RESTful API**, documented and tested by **Postman** from a backend built on **Nest.js**, submitted to **GitHub**. Used **Git** for version control. Used **Microsoft Azure** for **CI/CD**.

Result:

Over 4 months, I gained experience in implementing SPA using the React ecosystem from scratch to deployment and practising agile development methodology by completing a Kanban tool with both frontend and backend. This allowed me to solve problems and **debug** programs daily, reducing the amount of training time needed for me to join a software engineering team.

Demo: https://agile-project-manager.now.sh/home

(THE DASHBOARD UI OF IASANA PROJECT)

PROJECT MANAGER | 08/2020 to 01/2023

DATAREACHABLE - SYDNEY, NSW

Situation:

Datareachable, a tech startup, aimed to develop the next-generation CEM platform. The founder, equipped with marketing research knowledge and experience, sought to transform his ideas into practical applications.

Task:

Developed and created a SaaS platform from the ground up. I conducted product researches on multiple survey platforms, such as comfirmit, qualtrics and survey monkey, and design the platform. I worked alongside a team of over 20 software engineers to carry out agile development.
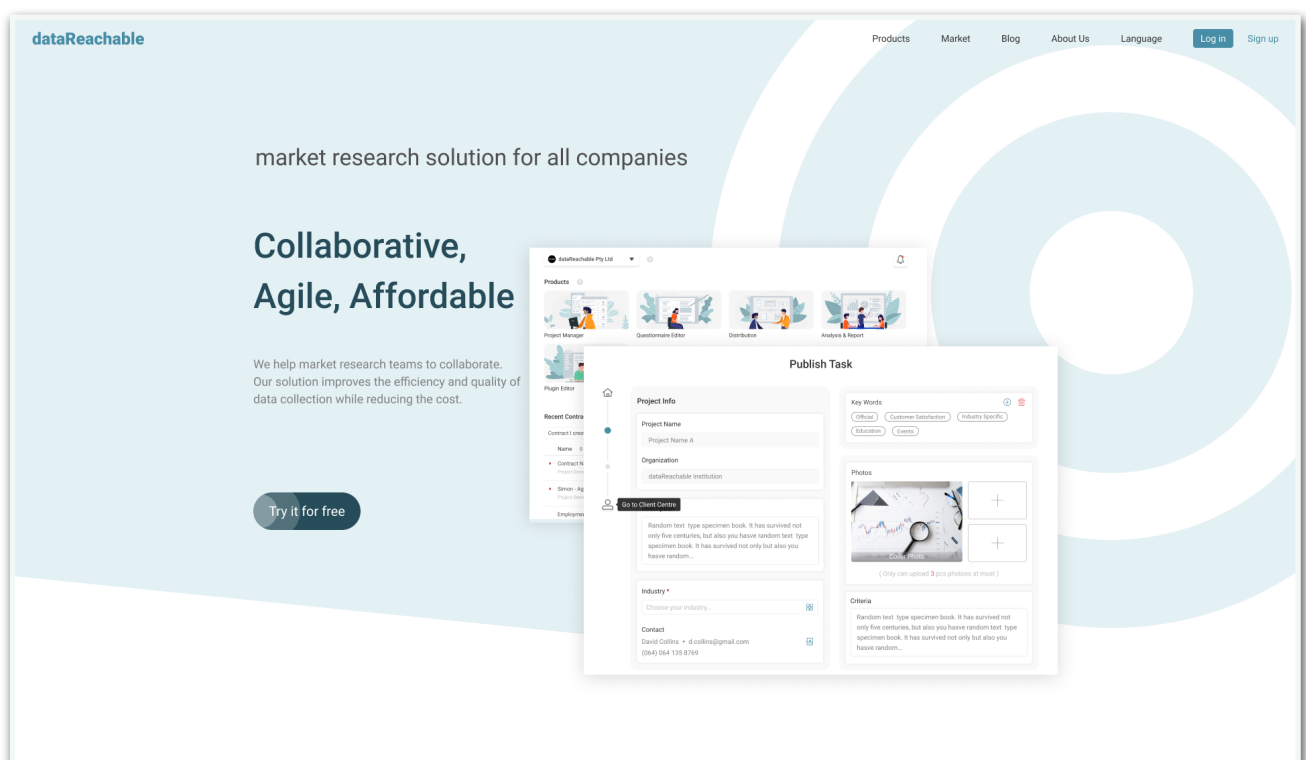
Action:

I have created 5 modules including project management, data collection, questionnaire editor, survey distributor and data visualisation. I applied **agile methodology**, design sprints, brainstorming sessions, and **scrums**. Additionally, I hosted stakeholder meetings, stand-up meetings, and retrospective meetings.

Result:

The documentation for all **5** product lines was consistently updated, ensuring that all production versions of the modules were launched on schedule. The combination of **UX design** and effective **communication** skills can aid the team in achieving better outcomes.
website: www.datareachable.com

(LANDING PAGE OF DATAFREACHABLE OFFICIAL WEBSITE V0.5.12)

WEB DEVELOPER INTERN | 04/2020 to 08/2020

JR ACADEMY - SYDNEY, NSW

Situation:

JR Academy is a coding bootcamp that trains full-stack web developers. In this bootcamp, the trainee is required to build two personal projects and one collaborative large project.

Task:

Built full-stack web applications to demonstrate skills in web development.

Action:

Built a weather SPA, adopting weather APIs, using **React** as front end library.
Built the 1.0 version of my portfolio website using **React, MUI, and SCSS.**
Built a collaborative project Agilo, using **React**, **Redux, Storybook, React Router,** using **RESTful API design**, and **Firebase** as the backend, The project was deployed using **AWS S3**.

Result:

Gained experience in implementing SPA using the React ecosystem. Practised teamwork and collaboration through the bootcamp.

RESEARCH ASSISTANT | 04/2019 to 04/2020

UNIVERSITY OF WOLLONGONG - WOLLONGONG, NSW

Situation:

The professor at the University of Wollongong needed a research assistant to help him with constructing academic websites, conducting data entry of the *Metamorphic Testing Database*, and assisting with research activities such as data collection, testing and paper publishing.

Task:

Used web development skills to assist the professor with constructing the academic website.

Action:

Built the METWIKI website's front end with **Javascript**, **CSS3, and HTML5.**
Built a testing tool called MTKeras using **Python.**

Result:

Contributed 300+ pieces of MT data and assisted in building the website
http://www.metwiki.net/
Published a conference paper and journal paper on IEEE.
Gained experience in conducting academic research. The ability of conducting research can help the team with solving problems in creative ways.

AWARDS

1st Prize in JR Coding Bootcamp

2020 JR ACADEMY

The JR Coding Bootcamp awarded the first prize to a group project completed within a month's time. The project was successfully delivered through **teamwork** and **agile project management**. Clear rules and goals were established among team members to ensure the delivery of clean code, resulting in a successful outcome. The final product was purchased by a client, proving its **commercial viability**. I contributed over **30%** of the codebase and acted as the scrum master for this project.

International Postgraduate Tuition Award

2019-2020 UNIVERSITY OF WOLLONGONG

As a result of implementing innovative techniques to establish a testing framework and contributing to research, I was honored with the international postgraduate tuition award and invited to speak at the IEEE conference. This achievement serves as evidence of my proficiency in **communicating** and conducting research using creative methods.

EDUCATION

University of Wollongong - Wollongong, NSW | Master of Philosophy in Computer Science
GRADUATED IN 2022

Monash University Caulfield Campus - Caulfield East, VIC | Master of Design
GRADUATED IN 2018