XUN LI (LEE)

Software Engineer

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PROFESSIONAL SUMMARY

As a Full-Stack Developer with a fervent passion for front-end design, I bring over three years of experience in web development, having graduated with a Master of Information Technology from the University of Tasmania. My hands-on experience encompasses the entire project lifecycle, from conceptualization to live deployment, utilizing cutting-edge technologies such as React.js, Next.js, and Redux.

Having permanent residency in Australia and an intrinsic motivation to stay abreast of the latest industry technologies and best practices, I am always ready to reallocate for the right opportunity. My collaborative nature ensures I foster robust relationships with both clients and team members. I am confident that my blend of technical expertise and passion makes me an invaluable asset to any forward-thinking development team.

My strong problem-solving skills, combined with a relentless curiosity, have consistently led to the successful and timely delivery of projects. I pride myself on creating visually compelling and intuitive user interfaces, driven by an innate desire to craft engaging user experiences.

EDUCATION & QUALIFICATIONS

Master of Information Communication Technology (Software Engineering), University of Tasmania (*February 2019 – December 2020)*

Full-Stack Development Certification, JR Academy (March 2022 – July 2022*)*

WORK EXPERIENCE

Front-End Developer, University of Tasmania (*March 2023 – Present)*

As a Front-End Developer at University of Tasmania, I successfully developed the front-end of the TAS Test, which contributed to the collection of valuable data for analysis in a research project investigating the potential of the TAS Test to predict cognitive decline and subsequent risk of dementia. I also implemented responsive design principles to ensure the TAS Test was accessible on a wide range of devices, including mobile phones and tablets, using Vue.js and its built-in mobile-first design features.

- Designed and developed the front-end of the TAS Test using Vue.js framework, HTML, SASS, and TypeScript.
- Utilized Vue.js to create and maintain reusable components and libraries, resulting in improved development efficiency and scalability.
- Collaborated with the research team to ensure the TAS Test met research aims and objectives, and that it was user-friendly and accessible to study participants.
- Conducted regular code reviews and implemented best practices to ensure code quality and maintainability, leveraging Vue.js-specific patterns and principles.
- Worked closely with UX/UI designers to ensure the TAS Test had a consistent design language and visual identity throughout, using Vue.js components to achieve design goals.
- Collaborated with back-end developers to integrate front-end functionality with server-side APIs, leveraging Vue.js components and Vuex state management.

Full-Stack Developer, Async Working (*August 2022 – March 2023)*

As a Full-Stack Developer at Async Working, I was part of a team developing a web application for custom basketball and tennis court design. Customers can choose from various templates or fully customise their court, while administrators have access to tools for efficient information interaction and management. I have utilised a range of programming languages and agile development methodologies in my role and am passionate about creating intuitive user-interfaces.

- Focused on designing and developing the front-end using React.js and Next.js
- Building reusable components and optimising application for different devices using Tailwind CSS
- Integrating with back-end using RESTful APIs and JSON Web Token for authentication and authorisation
- Managing states with Redux and Redux Thunk
- Implementing SSR and SSG practices for performance and SEO
- Collaborating with back-end focused developers to design and implement RESTful APIs and database schema
- Participating in agile development methodologies including code reviews and team meetings
- Working with internal users to meet business goals

Software Engineer, AMC Group (Internship Contract) (*August 2021 – December 2021)*

My responsibilities include designing and implementing web applications using a variety of technologies, collaborating with cross-functional teams, utilising agile development methodologies, and staying up to date with industry best practices. I am also responsible for building relationships with clients and team members and communicating effectively with all stakeholders involved in a project.

- Implementing web application using React, Typescript, HTML5, CSS3, SASS, JSON, and responsive web design
- Providing RESTful API based on MongoDB and designing database tables
- Designing and coding application components in an Agile environment using a test-driven development approach
- Splitting web page into independent components and designing reusable components
- Using functional components and React Hooks to implement reusable components
- Collaborating with development team to analyse and understand business or user requirements in order to create detailed database design models

UNIVERSITY PROJECT EXPERIENCE

iOS Developer, University of Tasmania (*February 2020 – June 2020)*

I developed a user-friendly iOS raffle application using Xcode. This app allows organisers to easily create, edit, and delete multiple raffles, as well as draw a winner from the pool of ticket holders. I implemented a range of features in Swift, including the ability to sell tickets, edit customer details, upload images, and share ticket information with others. To improve usability, I removed unnecessary buttons and input fields, and added an autocompletion feature. I also conducted usability testing to ensure the app runs smoothly and efficiently.

Software Engineer, (Team member) University of Tasmania (*July 2019 – November 2019)*

As the developer of a research assessment program, I created a tool for administrative staff to monitor and evaluate the research performance of staff and students using publicly available information about their employment and publication history.

- The program, implemented in C#, allows users to filter publication and research lists by year range or level, and includes a function for assessing staff performance.
- By creating specific classes, I was able to save 35% of space.

- I utilised LINQ to SQL for connecting with a SQL server database, and LINQ to Objects for retrieving, manipulating, and querying data.
- The program's rich visual components were developed using WPF and XAML, including the use of binding, styles, data templates, control templates, routed events, converters, and layout panels.
- This tool enables administrative staff to easily track and assess the research output of their colleagues and students.

Web Developer, University of Tasmania (*February 2019 – June 2019)*

I built a dynamic website for the financial industry with the goal to help increase their business and attract more customers. The website features a range of functions such as accounts management, transaction history, eStatements, and the ability to transfer and pay funds, as well as a messaging system. Using HTML, CSS, jQuery, and PHP, I designed eight responsive and consistent pages that provide a seamless user experience. I also implemented a MySQL database to store over 100 user, administrator and bank transaction details. To facilitate data communication, I utilised JSON and Ajax. This website serves as a powerful platform for Secure Bank to connect with their customers and streamline their online banking services.

PROGRAMMING

- HTML5, CSS, SASS
- JavaScript/ES6, Typescript
- C#, Java, PHP
- Swift

DATABASE

- MongoDB
- PostgreSQL
- MySQL
- SQLite

FRAMEWORKS

- jQuery
- React.js, Vue.js, Next.js, Redux, Redux Thunk
- Node.js, npm/yarn
- Google Maps Embed API

CONCEPTS

- SSG, SSR
- Responsive design
- RESTful API design and development
- JWT, AJAX

SOFTWARE

- WordPress
- Visual Studio Code
- IntelliJ IDEA
- pgAdmin
- Postman
- GitHub
- Jira

METHODOLOGIES

- Agile, Scrum

REFERENCES

References available upon request.