

Shawn Li

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[GitHub](#)

[Portfolio](#)

SUMMARY

Self-motivated master of IT graduate at University of Melbourne specialising in both Front-End and Back-End web application development, proficient in JavaScript/TypeScript (React & Nest) and RESTful API

TECHNICAL SKILLS

Programming Languages: JavaScript, TypeScript, Java, Python, R

Front-End: HTML, CSS, React.js, React Native, Next.js, Shiny-R, Tailwind CSS, Flexbox, Sass, Redux/Redux-Toolkit

Back-End: Nest.js, Express.js, Django

Databases: PostgreSQL, MongoDB

Cloud Services: AWS S3, Router53, Amplify, ECS, Fargate, Beanstalk, CodePipeline, Vercel

Software Methodologies: Agile SDLC, Design Patterns

Web Security: OWASP Top 10

Testing: Jest, React Testing Lib

Tools: Git, npm, Maven/Gradle, Postman

EDUCATION

The University of Melbourne

Melbourne, VIC, Australia

Master of Information Technology (WAM: 83/100)

Jul 2022 - Jul 2024

- Coursework including: Software Modelling and Design, Distributed System, Web Security, Mobile Computing System Programming, Information Visualization, Machine Learning

RMIT University

Melbourne, VIC, Australia

Bachelor of Mechanical Engineering (1st Class Honours, WAM: 92/100)

Jul 2018 - Jul 2020

Shandong University

China

Bachelor of Mechanical Engineering (WAM: 91/100)

Sep 2016 - Jul 2018

WORK EXPERIENCE

Full-Stack Web Developer Intern

Stay or Go, VIC, Australia

Nov 2023 - Feb 2024

- Developed a dynamic, responsive, and user-friendly fintech application in **React.js**, **Django** and **PostgreSQL**, enabling users to easily visualize, comprehend, and evaluate various home loan products provided by different banks in Australia, thus enhancing ability to make informed financial decisions.
- Assisted in designing and executing an automated system for continuous derivation and updating of the Reference Rates of various home loan products provided by different banks in Australia, leveraging power of **Consumer Data Right** (CDR) data.
- Collaborated closely with other developers and UI designers from diverse backgrounds to ensure seamless integration and optimal functionality.

PROJECTS

E-Commerce Phone Case App

PixCase, Freelance

May 2024 - June 2024

- Developed a responsive online platform for custom phone case design and ordering, utilizing **Next.js**, **Tailwind CSS**, and **PostgreSQL**, and deployed on **Vercel**. [Try it!](#)
- Integrated **react-rnd** and **Canvas API** to facilitate flexible, drag-and-drop phone case customization
- Implemented secure payment processing using **Stripe** webhooks under an **event-driven architecture**.
- Ensured secure page access and smooth user experience through authentication callbacks.
- Enhanced the landing page with beautiful animations using **framer-motion** and custom **Tailwind CSS classes**.

Online Chat App

Talkative, Freelance

Feb 2024 - Mar 2024

- Developed a dynamic real-time chat application enabling users to search for others and initiate both one-on-one and group conversations. Utilized **React.js** for frontend, **Express.js** and **MongoDB** for backend, **RESTful APIs** for seamless data interaction, and **Socket.io** for real-time communication.
- Deployed application on AWS using **AWS Amplify**, **ECS Fargate** and **CodePipeline**, ensuring robust and scalable hosting. [Try it!](#)

Property Listing Management System

Surreal Infinity Studio

Feb 2024 - Present

- Contributed to the development of a B2B real estate application, streamlining operations for agents by enabling efficient management and dissemination of property listings, utilizing front-end stack with **Next.js**, **Redux**, **Tailwind CSS**, and integrating with a **Nest.js/PostgreSQL** backend.
- Engineered and deployed a CI/CD pipeline optimizing development workflow with **GitHub Actions** and **AWS S3**, achieving a 30% reduction in deployment time and enhancing code delivery processes.

Mobile Social Gaming App

The University of Melbourne

Aug 2023 - Nov 2023

- Directed a diverse team of 5 IT students in developing a map-based social gaming mobile application, enabling players to compete in real-time by visiting points of interest, implemented in **React Native**, **Express.js**, and **RESTful API** for seamless multi-player interaction. [View Demo!](#)
- Enabled context-awareness within the App, offering players automated routing advice for efficient navigation, leveraging **Google Map API**.
- Implemented a dynamic scoring and ranking system to foster competitive gameplay, alongside real-time position tracking to ensure an engaging and interactive user experience, using **WebSocket API**.

Melbourne CBD Tourist Guiding App

The University of Melbourne

Sep 2023 - Oct 2023

- Led a 4-student team to create an interactive map-based web application using **Shiny** in R, enhancing navigation and exploration for Melbourne CBD newcomers. [View Demo!](#)
- Designed a user-centric interface displaying points of interest, city walk paths, street views, and weather conditions, improving visitor experiences through dynamic visualizations.
- Integrated real-time geographic and weather data, facilitating informed planning and exploration for users.

ACHIEVEMENTS

- **Melbourne Graduate Scholarship Awarded in 2022** - The University of Melbourne
- **Vice-Chancellor's List for Academic Excellence in 2020** - RMIT University
- **The Second Prize Scholarship Awarded in 2016** - Shandong University