

Summary

Software Developer based in Melbourne. I love developing high-quality software solutions with great accessibility and UX/UI design. I enjoy working in teams and communicating with people from different fields. I am passionate about tech trends and enjoy documenting and organizing the knowledge acquired in daily life. I have successfully delivered multiple React and TypeScript projects with positive user feedback. I have a strong passion and interest in working more with DevOps and cloud technologies in the next stage of my career.

Professional Experience

Frontend Engineer, IPIC Pty Ltd, George & Matilda (Eyewear Conglomerate) Sep 2021 - Current

Front-end Engineer responsible for developing and maintaining the system. Developing software solutions aligned with the company's vision, conducting code reviews, and performing testing.

Achievements:

- Developed a finance investigation portal using TypeScript, AngularJS, and Bootstrap. Responsible for UI design, API design, and front-end development. The portal reduced unresolved issues by 80% and shortened issue resolution time from 8 months to 3 weeks.
- Collaborated with the finance team to gather requirements, project planning, and deliver software solutions.
- Engaged with customers from planning to successful delivery in an agile environment. Received positive user feedback and improved user experience for over 80 clinics.
- Conducted code reviews, solved problems through technical research, experiments, and peer coding discussions.
- Troubleshoot bugs reported by a user using Postman, developer tools, and communicating with the back-end team.
- Implement unit testing for functions using Jest, and component testing using Storybook.
- DevOps practices using Bitbucket Pipelines CI/CD and Docker.
- Developed a clinical appointments React application.
- Built company styled React design system with headless components and Tailwind CSS, organized the components in Storybook for a more customized and efficient development process.
- Designed component architecture, developed microservices, and managed project dependencies.
- Researched and implemented caching mechanisms, refactored code to reduce API calls, improved system performance, optimized UI rendering, and enhanced UX.

Technical Skills:



TypeScript React Next.js AngularJS HTML/CSS/SASS/TailwindCSS Bootstrap Prisma tRPC Vitest Jest
Storybook Webpack Docker Monorepo Bitbucket Postman Figma Agile Scrum Design System
Design Patterns Component Architecture Custom Hooks API Design UI/UX Design

Engineer Intern, Rose Plastic Sep 2018 – Sep 2019

- Conduct market data analysis and gather requirements to inform project direction. Manage client communication to ensure project success.
- Support Tech Lead in developing solutions aligned with company vision and maintaining data systems. Planned, tested, and maintained web applications.

Technical Skills

-  **Core Programming Language:** TypeScript, JavaScript, HTML/CSS/SASS/LESS, Python, SQL

-  **Frameworks:** Next.js, React.js, Bootstrap, AngularJS, Node.js, Express.js, Flask, Django, Tauri(Desktop), Spring Boot
-  **Databases:** PostgreSQL, MySQL, CouchDB, MongoDB
-  **Operating Systems:** macOS, Windows, Linux, Ubuntu
-  **Others:** Git, Bitbucket, Docker, RESTful APIs, Jest, Vitest, Agile, Prisma, Postman, GitHub Actions, Jenkins, tRPC, Figma, R, C, Java, Matlab, Swift

Projects

Personal - Legal Policy Project

2023

- **Full Stack Developer** responsible for developing AI policy structure generator web application based on existing policy documents for legal use in Python with GPT.

Python NLP OpenAI Streamlit Docker Render Git

Melbourne University - Cluster Cloud Computing Data Analytic Project

2023

- **Full Stack Developer, Project Manager** responsible for designing and developing responsive data visualization web application to analyze data from multisourced social media platforms.

TypeScript React Next.js Flask Python Tailwind CSS GitHub Ansible CouchDB Docker NLP MUI Agile

Personal - Keyboard Commercial Website

2022

- **Full Stack Developer** responsible for developing a commercial web application that can process payment transactions for trading keyboards, with the love of keyboard.

JavaScript React.js Next.js Tailwind CSS TanStack Query Sanity CMS Stripe Vercel GitHub

Monash University - BARD AI Automatic APIs Creation & Deployment Project

2021

- **Frontend Developer** responsible for developing a web application to automatically create and deploy APIs based on user input on the dashboard.

Python Django Flask JavaScript React PostgreSQL API Design Project Management Agile Git DevOps Jenkins GitHub Actions JWT authentication

Monash University - Comfort Lens contact lens management iOS application)

2021

- **Full Stack Developer, UI/UX Designer** responsible for designing and developing interactive iOS mobile contact-lens management mobile iOS application. Implement real-time geolocation and notifications.

Swift Firebase Core Data backend database Google Place API Figma GitHub Gesture

Education

Master of Data Science, The University of Melbourne

Mar 2022 - Expected Dec 2025
Part time 16hr/wk

Bachelor of Software Engineering (Honours), Monash University

Mar 2018 - Oct 2021

Academic research for designing non-biased, highly accessible software applications. Published in 2022 IEEE 46th Annual Computers, Software, and Applications Conference (COMPSAC) "A Curated Personas and Design Guidelines Tool for Better Supporting Diverse End-users."

Extra-Curricular Activities

2023 Global Game Jam

March 2023

Achieved Challenge Accomplishment Certificate. 2023 GGJ is a 3-day game development hackathon.

Achieved Second Prize Award & Startup's Choice Award Certificate. Performed comprehensive business and market analysis and develop a go-to-market pitch for startup companies.

Additional Information

Additional Skills: Building personal knowledgebase blogs, GitHub open source project studying, Technical video and blog reading and summarizing, Keyboards Building and keymap coding

Language: English (Bilingual Proficiency), Chinese Mandarin (Native, Bilingual Proficiency), Chinese Shanghainese