

## Summary

Results-driven Software Developer with over 4 years of experience in full-stack development, specializing in creating high-quality, user-centric software solutions with a focus on accessibility, UI/UX design, and system optimization. Proven ability to improve system performance, automate tasks, and deliver impactful projects that enhance user experiences and drive business growth. Proficient in modern web technologies and DevOps practices, including Docker, GitLab, and cloud platforms. Strong collaborator with excellent communication skills, adept at working in cross-functional teams. Currently pursuing a Master of Data Science to deepen expertise in machine learning and data analytics.

## Professional Experience

### Full Stack Developer, Wise Employment, Melbourne, Australia

Nov 2022 - Present

- **Spearheaded** the development and revamp of the Tunnel dashboard, significantly enhancing efficiency and data visibility for 486 users. Reduced claim processing delays and increased monthly claims processed by over 400, generating up to **\$175k** in additional revenue.
- **Implemented** AWS Blob Storage management, designed database schemas, and developed Java decryption techniques to streamline secure data handling and improve system performance.
- **Developed** custom UI components using Tailwind CSS and Vue 3, facilitating efficient and visually appealing frontend development.
- **Maintained** enterprise messaging features and managed database systems to ensure reliable communication and data integrity.
- **Led** project ideation and Figma mockup prototyping, contributing to streamlined design processes and effective product development.
- **Automated** scripts to enhance workflow efficiency and reduce manual tasks.
- **Conducted** comprehensive code reviews, debugging, and testing to ensure high-quality software delivery.
- **Implemented** DevOps practices using GitLab, Azure, Docker, and RedHat OpenShift Container Platform (OCP) to streamline deployment workflows.
- **Collaborated** with cross-functional teams to optimize workflows and enhance user experience.

#### Technical Skills:

JavaScript Vue.js Java Golang HTML/CSS/SASS/Tailwind CSS Jest Unit Testing Integration Testing Docker Microservices GitLab Azure  
RedHat OpenShift Container Platform (OCP) Postman Figma Agile Scrum Design Patterns UI/UX Design

### Software Engineer, IPIC Pty Ltd, George & Matilda, Melbourne, Australia

Sep 2021 - Nov 2022

- **Developed** a finance investigation portal using AngularJS, reducing unresolved issues by **80%** and cutting resolution time from 8 months to 3 weeks.
- **Collaborated** with finance teams to gather requirements and deliver software solutions, enhancing user experience for over **80 clinics**.
- **Enhanced** user interfaces and optimized performance by developing a React-based clinical appointments application and building a custom React design system with Tailwind CSS, improving development efficiency.
- **Implemented** unit testing with Jest and component testing with Storybook to ensure high-quality code and functionality.
- **Managed** DevOps practices with Bitbucket Pipelines CI/CD and Docker to automate deployment and maintain system reliability.
- **Conducted** code reviews, debugging, and testing to improve system performance.

#### Technical Skills:



JavaScript TypeScript React.js Next.js AngularJS HTML/CSS/SASS/Tailwind CSS 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

### Engineering Intern, Rose Plastic, Melbourne, Australia

Sep 2018 - Sep 2019

- **Supported** the tech lead in developing solutions and maintaining data systems.
- **Conducted** market analysis and gathered requirements to guide project direction.

## Technical Skills

-  **Programming Languages:** JavaScript, TypeScript, Java, Golang, Python, SQL, HTML/CSS/SASS/LESS, R, C, MATLAB, Swift
-  **Frameworks & Libraries:** React.js, Next.js, Vue.js, AngularJS, Node.js, Express.js, Flask, Django, Spring Boot, Tailwind CSS, Bootstrap, Jest, Vitest, Cypress, Storybook

-  **DevOps & Tools:** Docker, Git, GitLab, GitHub, Bitbucket, Jenkins, GitHub Actions, RedHat OpenShift Container Platform (OCP), Ansible
-  **Databases:** PostgreSQL, MySQL, CouchDB, MongoDB, Firebase, Core Data
-  **Cloud Platforms:** AWS, Azure, Render
-  **Testing & Automation:** Jest, Vitest, Cypress, Postman, Unit Testing, Integration Testing
-  **Other Skills:** RESTful APIs, Microservices, Monorepo, Agile Scrum, Design Patterns, UI/UX Design, Figma, API Design, JWT Authentication, Component Architecture, Custom Hooks, R Shiny, Tableau
-  **Operating Systems:** macOS, Windows, Linux, Ubuntu

## Projects

### Legal Policy Project

2023

- **Full Stack Developer:** Developed an AI-based policy generator for legal use, utilizing Python, NLP, and OpenAI's GPT to streamline policy documentation.

Python NLP OpenAI API Streamlit Docker Render Git

### Cluster Cloud Computing Data Analytics Project | University of Melbourne

2023

- **Full Stack Developer & Project Manager:** Managed and developed a responsive data visualization web application for real-time social media analysis.

JavaScript TypeScript React.js Flask Python Tailwind CSS GitHub Ansible CouchDB Docker NLP Material-UI Agile

### Keyboard Commercial Website

2022

- **Full Stack Developer:** Created a commercial web application for processing payment transactions and trading keyboards.

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

### BARD AI Automatic APIs Creation & Deployment Project | Monash University

2021

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

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

### Comfort Lens Contact Lens Management iOS Application | Monash University

2021

- **Full Stack Developer & UI/UX Designer:** Designed and developed an interactive iOS application for contact lens management, implementing real-time geolocation and notifications.

Swift Firebase Core Data Google Places API Figma GitHub Gesture Recognizers

## Education

### Master of Data Science | The University of Melbourne

Mar 2022 - Expected Dec 2024

Part-time, 16 hours per week

Specialization in Data Science and Machine Learning.

### Bachelor of Software Engineering (Honours) | Monash University

Mar 2018 - Oct 2021

Published research on accessible software design at the 2022 IEEE COMPSAC Conference: "A Curated Personas and Design Guidelines Tool for Better Supporting Diverse End-users."

## Extra-Curricular Activities

### Member, Chinese Association of Professionals and Scholars Australia (CAPS)

Nov 2022 - Present

### Participant, 2023 Global Game Jam

Mar 2023

Achieved Challenge Accomplishment Certificate in a 3-day game development hackathon.

### Competitor, NexStar Melbourne-Nanjing Sprint Pitch Competition

Apr 2022

Awarded Second Prize and Startup's Choice Award.

## Additional Information

**Additional Skills:** Building personal knowledge management system blogs, studying GitHub open-source projects, keyboard building and firmware coding.

**Languages:** English (Bilingual Proficiency), Mandarin Chinese (Native), Shanghainese