# Alice Zhang

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## Summary

Front-end Software Developer 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 and am capable of full-stack development. I have a strong passion and interest in working more with DevOps and cloud technologies as the next stage of my career.

## Technical Skills

- **Core Programming Language:** TypeScript, JavaScript, Python, SQL
- **Frameworks:** Next.js, React.js, AngularJS, Node.js, Express.js, Spring Boot, Flask, Django
- **Databases:** PostgreSQL, MySQL, CouchDB, MongoDB
- **Operating Systems:** macOS, Windows, Linux, Ubuntu
- **Others:** Git, Bitbucket, Docker, Figma, Postman, Bootstrap, HTML/CSS/SASS/LESS, R, C, Java, Matlab, Swift, ReSTful APIs, Unit Testing, Agile, etc...

## Professional Experience

### Frontend Engineer, IPIC Pty Ltd, George & Matilda                 Sep 2021 - Current

Front-end Engineer responsible for developing and troubleshooting the system. Developing software solutions aligned with the company's vision, conducting code reviews, and performing testing. The major projects include:

- **Finance Report Application:** Maintained and implemented new features to AngularJS application, including UI design, API design, and frontend development and optimize system speed. Implemented new data investigation and monitoring tool enabled faster access to finance data, achieved reducing financial report errors.
- **Appointment Booking System:** Developed clinical appointments management system React application.
- **React Migration Project:** Built AngularJS and React hybrid system management web application.

**Achievements:**

- Implementing new finance data investigation and monitoring tool feature helps detect potential data issues. Reduced 80% unresolved issues, and shortened issue date from 8 month to 3 weeks.
- Engaged with customer and faciliated project from planning to successful delivery. And receiving 100% positive user feedback, and result in more beneficial user after the project accomplishment, features enabled 80+ clinics.
- Built react design system to achieve more customized and efficient development process.
- Component architecture designs, developing microservices and project denpencies management
- Implemented caching mechanisums and restrucutre code to reduce API calls, improved overall system performance, optimized ui rendering and enhanced UX.

**Technical Skills:**

`TypeScript` `JaveScript` `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.

## Projects

### Personal - Legal Policy Project                                            2023

- **Full Stack Developer** responsible for developing AI policy structure generatator 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 desiging 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.

### NexStar Melbourne-Nanjing Sprint Pitch Competition,                    **April 2022**

**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:** Keyboards Building and keymap coding, GitHub open source project studing, Technical video and blog reading and summarizing

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