Alice Zhang

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GitHub
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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, Flask, Django, Tauri(Desktop App), Spring Boot
- 🗄️ **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.

Achievements:

- **Finance Report Project:** Maintained and implemented new features to AngularJS application, including UI design, API design, and frontend development and optimize system speed.

  - 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.
  - Managed project and engaged with customer to 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.

- **React Migration Project:** Built AngularJS and React hybrid system management web application.

  - Solve problem by tech analysis research, experiments, and peer coding discussions.

- **Appointment Booking Project:** Developed clinical appointments management system React application.
- 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: Building personal knowledgebase blogs, GitHub open source project studing, Technical video and blog reading and summarizing, Keyboards Building and keymap coding

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