Alice Zhang

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GitHub
LinkedIn
Website

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. 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, 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, Unit Testing, Agile, Prisma, Postman, tRPC, Figma, R, C, Java, Matlab, Swift, etc...

Professional Experience

Frontend Engineer, IPIC Pty Ltd, George & Matilda (Eyewear Conglomerate)   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 the project and engaged with customers to facilitate the entire project lifecycle from planning to successful delivery in agile environment. Received great positive user feedback and achieved in improve user experience and enablement of features for over 80 clinics.
- Troubleshoot bugs reported by a user by debugging, using Postman, developer tools, and communicating with the back-end team.
- CI/CD with Bitbucket Pipelines, Docker.
- **React Migration Project:** Built AngularJS and React hybrid system management web application.
- Analyzed and solved problems through technical research, experiments, and peer coding discussions.
- Implement unit testing for functions, and component testing using Storybook.
- **Appointment Booking Project:** Developed clinical appointments management system React application.
- Built React design system with headless components and Tailwind CSS, organized in Storybook for a more customized and efficient development process.
- Designed component architecture, developed microservices, and managed project dependencies.
- Implemented caching mechanisms, refactored code to reduce API calls, improved system performance, optimized UI rendering, and enhanced UX.

Technical Skills:

TypeScript · JavaScript · 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
<div align="right">Sep 2018 – Sep 2019</div>

- 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
<div align="right">2023</div>

- **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
<div align="right">2023</div>

- **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
<div align="right">2022</div>

- **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
<div align="right">2021</div>

- **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)
<div align="right">2021</div>

- **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
<div align="right">Mar 2022 - Expected Dec 2025
Part time 16hr/wk</div>

Bachelor of Software Engineering (Honours), Monash University
<div align="right">Mar 2018 - Oct 2021</div>

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