Alice Zhang

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GitHub

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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 Javascript/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 Javascript, 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:

Javascript TypeScript React.js 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:** Javascript, 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, Cypress, 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 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 React web application to analyze data from multisourced social media platforms.

`Javascript` `TypeScript` `React.js` `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.js` `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 2024
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