KEREN ZHOU

Canberra 2601

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SUMMARY

Graduated Master of Computing student at Australian National University specializing in software development, with an overall GPA of 6.0/7 in software development related courses.

Extensive knowledge and experience in full-stack software development with my previous local work experience and Internship. Proficient in React.js, Vue.js, Django, **Python**, WordPress, **PHP**, SQL, **PostgreSQL**, **Git**, JEST, **Docker** and **Kubernetes**. Passionate about DevOps and hyper-scale platforms like AWS.

With a solid academic foundation in computing to this position, as well as practical experience in software development, I am keen to show my passion and interest in Software Engineering, utilize my strong problem-solving, teamwork and communication skills, apply and grow my skillset in developing and maintaining different web applications of Les Mills.

EDUCATION

Australian National University   Feb. 2021 - Jun. 2023
Master of Computing   Canberra, Australia
Relevant Courses: Web Design, Database, JavaScript, Data Structure, Agile Development

Dalian Maritime University   Sept. 2016 - Jun. 2020
Bachelor - Information system and information management   Dalian, China

PROFESSIONAL EXPERIENCE

OSKY Company   Nov. 2022 - Apr. 2023
<u>Web Developer</u>   Canberra, Australia

<u>Technology</u>: PHP, WordPress, JavaScript, Git, React, React Native, BootStrap

- Conducted responsive web page development via **WordPress**, **PHP**, **BootStrap** and **Git** for an Australian Museum Portal project and an Australian Charity Campaign management project to help build up a reliable and scalable content management system website.
- Conducted a Hiring IOS application development via **React Native**. Tested and Integrated ChatGPT API into the application to generate customized responses to users. Delivered the first release to clients two weeks before the forecast.
- Assisted in creating and managing project tickets by actively communicating and cooperating with project managers and coworkers.

Wisdom Connect Web Application - ANU Internship   Apr. 2022 - Nov. 2022
<u>Web Developer</u>   Canberra, Australia

<u>Technology</u>: Vue, JavaScript, Git, BootStrap, Agile Project Management

- Developed the whole responsive Front-end websites of the video conference web application with **Vue.js.**
- Actively communicated with clients and stakeholders. Supported implementations according to the user story with the **Agile** developing management process.
- Collaborated with video conference node provider Pexip's team and integrated their JS code package into our own website application.

PROJECTS

Weather app (React TypeScript, Redux, Sass, AWS Amplify)   https://main.d2ptziliarbev6.amplifyapp.com

<u>Introduction</u>: Weather forecast web application supports showing the city's current and forecasted weather information

- Built up a Single page application via **React TypeScript**, **Redux** and **Sass** to present weather information and reliable forecasts for your current located city or according to the input city name.
- Integrated **RESTful API** supported by Openweatherapp to present related weather information on my Weather app.

Jason's Shop (React, Django, Postgresql, Paypal, AWS EC2)   https://main.d1qiuxeis8lh6i.amplifyapp.com

Introduction: E-Commerce Web Application allows users to browse products, add products to cart, and checkout with Paypal.

- Built up responsive web pages via **React** and **React-BootStrap**. Managed the global variables by **Redux**.

- Designed the Database structure and implemented with **PostgreSQL**. Conducted the Restful APIs by **Django** Restful Framework and **JWT** for user Authentication.

- Tested API functionality with **Python Unitest** to support clients to browse products, add products to cart, create order, checkout with **Paypal**, view order and manage personal information

- Created Admin User Screen to support admin user manage and modify products, users and order status.

- Deployed the Django Backend with **AWS EC2**. Set up the server with **Gunicorn** and **Nginx**. Managed the Database with **AWS RDS** and the static image files with **AWS S3**.

SKILLS SUMMARY

- Programming Languages: HTML, CSS, **TypeScript, JavaScript, Python,** Java, **PHP**

- Front-end: **React.js**, **Vue.js**, **WordPress**, BootStrap, React Native, JQuery

- Back-end: **Django**, SQL, **PostgreSQL**

- Tools: **Git**, **Docker**, **Kubernetes**, **Linux**, **JEST**, UnitTest

- Cloud: AWS EC2, AWS RDS, AWS S3, AWS Lambda, Nginx