

Xueting Zhao

+61 0478902161 | email: ai.zxt19990330@gmail.com

Summary

Results-oriented and innovative Software Engineer with extensive experience in both front-end and back-end web application development. Proficient in Java, JavaScript (React), SpringBoot, and other modern technologies. Demonstrated expertise in data analysis, information visualization, full-stack development, and distributed system architecture. Skilled in working within agile development environments, ensuring the timely delivery of high-quality projects. Proven ability to create user-friendly and scalable solutions, as showcased in various academic and personal projects.

Skills

<i>Programming Languages</i>	Java, JavaScript, C, C#, Python, R, Prolog, Haskell
<i>Web Tech</i>	SpringBoot, SpringMVC, Restful API, NodeJS, Express
<i>Front End</i>	HTML, CSS3, jQuery, React, MUI, Bootstrap
<i>DB</i>	SQL, MySQL, MongoDB
<i>Tools</i>	AWS, Git, Maven/Gradle, webpack
<i>Additional Skills</i>	Data Analysis, Information Visualization, Embedded System Programming

Project Experience

ACMD Hospital, Melbourne 02, 2024 – 07, 2024

Description: Design and develop an academic team website for a research team.

Technologies: Node.js, MongoDB, Less, Express

Key Features:

- **Integrated Technology Stack:** Utilizes a robust technology stack including Node.js and Express for efficient server-side programming, MongoDB for database management and Less for dynamic stylesheet generation.
- **Full-stack Development:** As the sole team member, I am responsible for the entire development lifecycle for the website. This includes designing the user interface, developing the front-end, and implementing back-end services.
- **Customized User Experience:** Designed and developed with a focus on creating a user-friendly interface that facilitates seamless navigation and interaction for academic researchers.
- **Scalable Architecture:** Engineered to support scalability in response to the evolving needs of the academic team, ensuring long-term utility and adaptability.

Android Pet Community Application

10, 2024 – 12, 2024

Description: Created an Android app for pet lovers to connect and share posts, with features for post interaction and a streamlined user registration process.

Technologies: Java for Android, React.js, Spring Boot, Redis, MyBatis

Key Features:

- Supported three types of post submissions, enhancing user engagement.
- Enabled likes and comments on posts, including profile visits and the option to follow or chat with other users.
- Integrated notifications for user actions, ensuring users stay informed about interactions and new posts from followed accounts.
- Implemented location services to display the user's current location and nearby posts on a map, with user avatars indicating post locations.
- Included security features such as password length verification and bot detection for improved user safety.

Distributed Shared Whiteboard Application

05, 2023 – 07, 2023

Description: Crafted a whiteboard app with real-time collaboration features based on Java AWT and Swing and web socket.

Technologies: Java, Java AWT, Java Swing, WebSocket, Multi-threading

Key Features:

- Enabled zero-latency online editing with multi-threading, allowing simultaneous interactions by multiple users.
- Provided real-time visibility of online participants and integrated chat function for live communication.
- Implemented admin controls for the host to forcibly disconnect users and instant notification messages for targeted actions.

Melbourne Tourist Insights Visualization

10, 2023 – 12, 2023

Description: Analysed and visualized Melbourne CBD tourism data, focusing on attractions accommodations, and transport for an enhanced visitor experience.

Technologies: R Shiny, JavaScript, Mapbox, Tableau

Key Features:

- Utilized R Shiny and JavaScript for dynamic and interactive data visualization.
- Employed Mapbox for detailed mapping of Melbourne's CBD area, highlighting key tourist attractions and accommodations.
- Integrated Tableau for advanced data analysis, enabling the visualization of traffic

patterns and pedestrian flow through heat maps.

- Presented comprehensive transportation information, including various modes and public transit stations, to enhance the visitor experience.

Education

The University of Melbourne	07, 2022 – 07, 2024
<i>Master of Information Technology</i>	GPA H1
Shandong University	09, 2017 – 07, 2021
<i>Bachelor of Measurement and Control Technology</i>	GPA H1