

# Hua Wang

SOFTWARE ENGINEER

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📍 Auckland, New Zealand

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## About Hua

I'm a skilled, detail-orientated software engineer with over 10 years of experience in full-stack development, API design, and cloud-based solutions. My expertise includes multiple programming languages, modern front-end frameworks, and scalable CI/CD pipelines on cloud platforms. Recently, I earned a Master of Applied Data Science, equipping me with strong skills in data engineering, AI-driven development, and big data analytics. I am currently seeking a role where I can apply my expertise in full-stack development and cloud technologies to create impactful software solutions, contribute to an innovative team, and grow in a collaborative environment.

## Work Experiences

### Software Engineer, Zespri International

*November 2024 — February 2025*

- Built a complete ETL pipeline for multiple data types.
- Created a map-based and interactive web application that allows users to visualise and interact with GIS data and allocate sampling tasks.
- Optimising routes for orchard sampling schedules.

### Software Engineer / Frontend Team Lead, Realibox, Guangzhou

*August 2021 — February 2023*

- Developed and maintained the central hub for Realibox's 3D assets, using React with a WebGL-based library for the front end and Node.js/Python for the back end.
- Implemented CI/CD pipelines using GitLab for code integration and deployment.
- Worked in a team of 5-15 people, in an Agile environment, collaborating closely with PMs, QAs, and UI/UX Designers to ensure feature delivery aligned with requirements.

### Frontend Developer, Nuclear Stone Technology, Chongqing

*August 2020 — July 2021*

- Developed and deployed HTML5 Micro-Apps on the WeChat platform.
- Integrated 3D scene tours, transitions and annotation on the panorama.
- Customised web animations and effects aligned with UI/UX design help businesses or organizations enhance their brand image.

### Full Stack - Contract, Enshi Environmental Protection Agency, Enshi

*February 2020 — July 2020*

- Developed a cloud-based Air Quality Index (AQI) publishing system for Enshi, a city with approximately 5 million residents.
- Implemented the system using microservices architecture, Java springboot backend, React + AntD + Less frontend, and MySQL database.
- Designed data pipeline, data storage schema, and RESTful API.
- Collaborated in a small team of 4 and using the Kanban methodology.
- Mentored a junior front-end developer during the development life cycle.

## Links

Portfolio: [www.hua.nz](http://www.hua.nz)

GitHub:

[github.com/aemooooon](https://github.com/aemooooon)

LinkedIn:

[www.linkedin.com/in/aemonwang](https://www.linkedin.com/in/aemonwang)

## Skills

React / Nextjs / TypeScript

C# / ASP.NET

MySQL / PostgreSQL

MSSQL / MongoDB / Redis

Nodejs / Express

Webpack / Vite

Threejs / WebGL

PHP / LAMP

Python / R

Java / Rust

Linux OS

Git / GitHub / GitLab

CI/CD Pipeline

Docker / K8s

AWS / Azure

Agile Scrum

RESTful API / Swagger

## Web Developer / IT Systems Coordinator, Qingyuan Trading, Enshi

February 2012 — February 2016

- Led the development and maintenance of official websites and internal business systems for the company and its two subsidiaries.
- Built and managed critical systems, including warehouse management, inventory tracking, CRM, and business query tools, to streamline operations.
- Delivered reliable solutions to support the company's day-to-day needs.
- Worked closely with the non-tech department to gather requirements and implement tailored technical solutions that improved efficiency.

## Web Developer, Day Digital Technology, Enshi

July 2007 — July 2011

- Developed and maintained websites for enterprises and organizations, completed over 30 projects during 4 years. Collaborated in a small team of 4-6 members, taking ownership of technical implementation and delivery.
- Translated UI designs into web pages using HTML, CSS, and JavaScript.
- Implemented CMS systems to manage information in LAMP environment, utilizing ASP, PHP, ASP.NET, Microsoft SQL Server, and virtual servers technologies.

## Education

### Master of Applied Data Science with Distinction, University of Canterbury, Christchurch

February 2024 — February 2025

Data mining, feature engineering, data bricks, machine learning, deep learning, LLMs, data visualisation, data integration and ETL pipeline.

### Bachelor of Information Technology with Distinction , Otago Polytechnic, Dunedin

July 2017 — June 2021

- The Excellence in the Bachelor of Information Technology in 2019
- The Academic Excellence & Best Programmer in 2021

## Volunteering

### Event Coordinator, Chinese IT Association NZ

November 2023 — March 2025

Assisted in organizing monthly IT-related meetups, CITANZ member coffee chats, and actively participated in knowledge-sharing sessions.

## References

References available upon request