

# Hua Wang

FULL STACK DEVELOPER

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## About Hua

Full-stack developer with over a decade of experience in building and integrating interactive web applications, data pipelines and visualisation dashboards. Skilled in modern frontend frameworks (React, Next.js, TypeScript), and libraries such as Three.js and ECharts. Experienced in developing RESTful APIs and data-driven applications using Java, Python, Node.js, and C# ASP.NET. Proficient in containerised environments (Docker, Kubernetes), CI/CD pipelines (GitHub Actions, GitLab CI/CD), and cloud platforms (AWS, Azure). Recently earned a Master of Applied Data Science, strengthening expertise in data-driven and AI-powered development. Currently seeking opportunities to apply skills in building scalable web applications, data pipelines and continue to collaborate with teams. To me, development is about seeking order in chaos and finding innovation in every trade-off.

## Work Experiences

### Full Stack Developer(Internship), Zespri International, Bay of Plenty

November 2024 - February 2025

- Developed a web-based orchard sampling allocation system for real-time task scheduling across 500+ orchards in the Bay of Plenty.
- Built an interactive map and responsive page with React.js, Leaflet.js, Tailwindcss and hosted a standalone OpenRouteService for route optimisation.
- Implemented an ETL pipeline and RESTful API with Python/Flask and SQLite, processing orchard location and sampling data by using data science methods.
- Deployed microservices such as frontend, backend and third-party services on Microsoft Azure Cloud VM with an automated CI/CD pipeline.

### Frontend Developer, Realibox, GuangZhou

August 2021 - February 2023

- Built and iterated across nearly 10 frontend projects, including a SaaS Hub portal, official website, and multiple internal tools.
- Led the internationalisation (i18n) of two major products, 3D Assets Hub and Realibox Studio Editor, supporting both Chinese and English users.
- Contributed to the iterative development of Realibox Studio Editor, including features like interactive model scenes, structure trees, and material management panels, as well as collaborative sharing modules.
- Led the frontend refactor of the Hub using Next.js, React 17, MobX, Less, and Vite.
- Integrated large files using Spark-md5 for chunked uploads to Alibaba Cloud OSS.
- Worked in an agile team, collaborating with PMs, QAs, BAs, and developers, served as Scrum Master and task owner to drive feature/user stories delivery.
- Experienced in microservices and cloud-native deployments using GitLab CI/CD.
- Developed with a strong focus on 3D visualisation, WebGL (Three.js), glTF model handling, and frontend performance optimisation.

## Links

[Portfolio](#)

[GitHub](#)

[LinkedIn](#)

## Skills

React.js / Next.js  
TypeScript / JavaScript  
HTML5 / CSS3  
Three.js / WebGL  
AntV / AntD  
Echarts / D3.js  
Less / TailWindCSS  
Responsive Web Design  
Mobox / Redux  
Webpack / Vite  
Node.js / Java (Spring Boot)  
Python / C# / ASP.NET Core  
RESTful APIs / JWT  
MySQL / MSSQL  
PostgreSQL / Redis  
Data Extraction / Modelling  
Data Visualisation  
ETL / Apache Airflow  
AWS / Azure / Alibaba Cloud  
GitHub Action / GitLab CICD  
Docker / Kubernetes  
Git / Linux / Ubuntu  
Agile / Scrum / Kanban  
Git / Version Control  
Cross-team Collaboration

## Frontend Developer, Nuclear Stone Technology, Chongqing

August 2020 - July 2021

- Built and deployed HTML5-based micro-apps optimised for mobile, tablets, and desktop platforms, designed for sharing via WeChat Moments social channels.
- Developed interactive [3D panorama tours](#), enabling users to explore real estate models (buildings, landscapes, interiors) with 720° scene navigation and scene-to-scene transitions.
- Integrated scene annotations, hotspots, and galleries, with additional support for background music and video playback.
- Implemented WeChat social sharing features by connecting to Tencent's authentication and API services via PHP-based JWT token management.

## Full Stack Developer(Contract), Enshi Environmental Protection Agency, Enshi

February 2020 - July 2021

- Led the technical design and implementation of a real-time Air Quality Index (AQI) publishing system.
- Built ETL pipeline in backend and provided RESTful APIs using Spring Boot, MySQL, and Redis for real-time data ingestion and processing on schedule.
- Developed two separate SPAs: Public Portal using React, Apache Echarts, AntV data visualisation. Admin Portal using React and Antd for component building.
- Set up GitHub Actions for CI/CD pipelines; deployed applications to Aliyun Cloud ECS servers via SSH automation.
- Worked closely with a PM, BA, and another frontend developer; mentored junior staff on frontend development.

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

February 2012 - February 2016

- Led the development and maintenance of 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.

## 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

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

July 2017 - June 2021

#### Awards

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

## Volunteering

### Event Coordinator, Chinese IT Association New Zealand

November 2023 - Present

Assisted in organising monthly IT-related meetups, members coffee chats, and participated in knowledge-sharing sessions.

## References

References available upon request