

馬維昭 WEI-ZHAO MA

Frontend Engineer

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Summary

Frontend Engineer with 3+ years of experience building enterprise software for Kubernetes, storage management, and infrastructure platforms.

Specialized in React, TypeScript, Design Systems, and scalable frontend architecture, with experience owning UI frameworks, component systems, and mission-critical operational workflows.

Led frontend initiatives across Kubernetes management, monitoring, and storage products, architecting reusable UI solutions adopted across multiple products and collaborating closely with product, backend, and infrastructure teams to deliver highly configurable enterprise platforms.

Technical Skills

Frontend

React • TypeScript • Redux Toolkit • Ant Design • Emotion • CSS-in-JS • Design System • Vite

Backend

Go (Fiber) • REST APIs • Authentication • File Upload/Download • API Integration

Infrastructure

Kubernetes • Docker • Linux • VMware • CI/CD • Git • NAS • Storage Systems

Architecture

Design Systems • Component Libraries • Theming • CSS-in-JS • Frontend Architecture

Professional Experience

研發應用軟體工程師 (R&D Application Software Engineer)

QSAN Technology Inc. (Feb 2023 ~ May 2026)

Key Achievements

- Owned a Design System adopted across **3+ products**
- Architected **48 reusable enterprise components**
- Served as the **primary frontend contributor** for a Kubernetes management platform
- Built enterprise software for **storage, monitoring, and infrastructure operations**
- Specialized in **NAS, Kubernetes, virtualization, and observability interfaces**

Responsibilities

- Developed **enterprise storage management interfaces**, including RAID, Storage Pool, Volume, Snapshot, Backup, Restore, and Virtualization workflows.
- Built **Kubernetes management features** covering Cluster, Node, Workload, Replica, and Persistent Volume management.
- Designed **complex configuration workflows, monitoring dashboards**, and interfaces supporting **long-running operations and real-time status updates**.

- Collaborated closely with Product Managers, Backend Engineers, System Firmware Engineers, and UX Designers.

Selected Projects

- **Enterprise Design System**
 - Architected and owned an enterprise Design System with **48 reusable components**, defining component APIs, design tokens, and theming standards.
 - Built a centralized **CSS-in-JS Theme System** supporting reusable components, customizable styling, and scalable token management.
 - Standardized workflows and documentation, driving adoption across **3+ products** and **1 internal project** while improving UI consistency.
- **XInsight - Centralized IT Infrastructure Management**
 - Developed **monitoring dashboards** and **device management interfaces** for enterprise storage environments.
 - Designed interfaces for **large-scale data visualization**, **operational status tracking**, and **infrastructure monitoring experiences**.
 - Collaborated with UI/UX, application, and system teams to support centralized management workflows.
- **KSM - Kubernetes Management Platform**
 - Served as the **primary frontend contributor** during the initial development phase, leading the **end-to-end UI implementation** of Cluster, Node, Workload, and Persistent Volume management.
 - Designed reusable workflows and interaction patterns, establishing a consistent user experience for **Kubernetes configuration and monitoring**.
 - Owned **frontend architecture**, UI behaviors, and API integrations, supporting scalable Kubernetes management operations.
- **QSM - Enterprise Storage Management Platform**
 - Contributed to **modernizing core storage management experiences** by transforming legacy UIs into redesigned interfaces for RAID, Storage Pool, Antivirus, Backup, and Virtualization workflows.
 - Built **high-risk operation workflows** for storage recovery, JBOF switching, and capacity management.
 - Designed **monitoring dashboards** and visualization interfaces for CPU, memory, Pool, Volume, and Disk utilization, along with **throughput and latency metrics**.

影音設計實習生 (Multimedia Design Intern)

CyberLink Corp. (Jun 2022 ~ Dec 2022)

- Produced 600+ PowerDirector templates.
- Achieved 5,000+ community interactions.

Education

Bachelor of Science in Interdisciplinary Program of Electrical Engineering and Computer Science

National Tsing Hua University (Sep 2018 ~ Jun 2022)