YUNJUI YU (Chriest Yu)

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PROFESSIONAL SUMMARY

Senior Frontend Engineer with 10+ years of experience building scalable web applications across industries including clinical trials, data platforms, and English education. I bring a multidisciplinary perspective shaped by parallel careers in music, interpretation, and yoga. Proven track record of architecting systems from scratch, leading cross-functional teams, and mentoring developers. Built and maintained design systems adopted by 50+ engineers across multiple product lines.

WORK EXPERIENCE

Freelance Software Engineer / Indie Developer   **Jul 2023 — Present**

- Built several independent projects across education, industrial systems, and creative tech
- **Kurasu Manta**: Developed AI-driven Japanese learning app using React Native, Supabase, and TypeScript
- **Vehicle Testing System**: Architected end-of-line diagnostic tool using Electron, React, and gRPC

Frontend Architect / Tech Lead, AlphaLife Sciences   **Dec 2020 — Jun 2023**

- Founded frontend team as founding member, led architecture and foundations across 5 product lines
- Built applications in Vue 3, Nuxt, and TypeScript ranging from real-time editors to complex admin tools and hybrid mobile platforms
- Solved a range of high-impact frontend challenges. Examples include:
  - Collaborative rich-text editor for medical documents with dynamic computed fields, access-controlled editing, revision history, and Excel-like table operations (merge/split), built by customizing a modular editor core
  - Performance optimization for a large reactive form system with computed fields and mixed validation; reduced input latency from hundreds of milliseconds to <10ms by reworking our Vue 3's reactivity patterns
  - Designed and implemented an internal npm package version control system using pnpm's plugin API, dynamically resolving versions of critical packages based on branch, release stage, and environment context
  - Maintained and customized internal OpenAPI TypeScript codegen to support backend-specific conventions and ensure consistent type safety across services
- Designed client-side meta-framework to standardize architecture and accelerate development across teams
- Created and scaled internal UI library and design system adopted by 50 engineers and designers
- Mentored 10+ engineers, conducted 50+ interviews, and drove best practices across teams
- Collaborated with DevOps to streamline CI/CD and improve deployment reliability
  - Maintain release process and docker image + k8s composition
  - Introduced Sentry for application-level observability and Microsoft Clarity for user behavior insights.

Senior Frontend Engineer, Splunk   **Jul 2016 — Dec 2020**

- Led development of internal and customer-facing apps integrated with Splunk's data platform
- Contributed full-time to Splunk's internal React-based UI library used across global product teams
- Designed reusable UX patterns and frontend architecture to align design and engineering at scale
- Shared frontend knowledge across teams via regular tech talks; awarded **Top Tech Lecturer 2018**

Frontend Engineer, EFLab & Qisense Technology   **2014 — 2016**

- Developed frontend solutions for educational technology and data visualization platforms
- Collaborated with cross-functional teams to deliver user-centric web applications

SKILLS

Languages: TypeScript, JavaScript
Frontend Frameworks: Vue 3, React
Meta-frameworks: Nuxt, Next.js
Cross-Platform: React Native, Electron
Backend & Protocols: Node.js, gRPC, WebRTC, OpenAPI
Creative Tech: Web Audio API, Canvas
DevOps & Tooling: CI/CD, Docker, GitLab Pipelines, Sentry, Clarity

EDUCATION

Master's in Computer Science, Beijing University of Aeronautics and Astronautics   **2010 - 2013**
Bachelor's in Control Technology, Beijing University of Aeronautics and Astronautics   **2006 - 2010**

AWARDS AND ACCOLADES

- **Top Tech Lecturer** — Splunk Shanghai   2018
- **Best UI Design** - Web Audio Innovation Contest, China Music Expo x Google Shanghai   2015

BEYOND CODE

I wear many hats: bassist, music producer, yoga teacher, interpreter, sound therapist, and visual storyteller. These aren't side projects—they're parallel disciplines that shape how I build, listen, and collaborate. My engineering work is grounded in the same curiosity, intuition, and care that drive my creative and embodied practices.