Le Xuan Tung (Alex)

Senior UI/UX Designer, design systems for manufacturing, HMI, and enterprise interfaces. 14 years in design, 5+ in UI/UX.

Portfolio alexle-portfolio.pages.dev
tungxnle@gmail.com (+84) 81 8315410 linkedin.com/in/tung-le-85bb6a20b Based in Vietnam

63
Applications

3,000+
Production screens

10,000+
Guideline pages

184ms
INP, down from 968ms

I design and govern enterprise interfaces for manufacturing and automotive HMI — inspection software, SPC and equipment monitoring dashboards, and in-vehicle systems — and build the design tokens, component libraries, and dark/light theming that keep them consistent at scale. I work closely with front-end developers and equipment engineers on design-to-code handoff, and use AI-assisted workflows where coding agents build directly from a structured design system.

Experience

UI/UX Designer — Design Systems Platform Lead

2023 — Present
Manufacturing

KohYoung Technology — SMT inspection software, industrial

- **Lead design-system strategy across multiple product lines**, defining shared tokens, components, guidelines, and ownership practices.
- **Delivered a W3C DTCG-compliant token system** with primitive → semantic → domain layers and Style Dictionary outputs for CSS variables, SCSS, and JS.
- **Developed an LCH-based color system with dark/light themes** for inspection status, defect classification, machine status, and data visualization.
- **Designed production and equipment monitoring dashboards** for an SPC (Statistical Process Control) system, translating real-time process data into clear operator-facing visualizations.
- **Designed UI for KPO and Ksmart**, KohYoung's data-analysis dashboards, translating complex datasets into clear, actionable visualizations.
- **Built a Figma audit plugin** to automate development-handoff checks and component annotation generation.
- **Partnered with engineers** to align UI behavior with machine logic and inspection requirements.

Selected project

Twin-V

- **Rebuilt a C++/MFC AOI (Automated Optical Inspection) desktop application** as a working web UI using React, TypeScript, and Tailwind.
- **550+ design tokens in three tiers, as CSS variables** shared across all screens.
- **Component rules, token contracts, and layout constraints** for AI-assisted development.
- **A 100+ entry machine-readable component manifest**.
- **Governance checks** for hardcode, contrast/WCAG AA, and design-system compliance.
- **Mapped 438 legacy desktop dialogs and 6,637 controls** to inform information architecture and operator workflows.
- **Improved INP from 968 ms to 184 ms**.

UI/UX Designer / UI Team Lead

2021 — 2023
Automotive

FPT Software — automotive infotainment, Genesis, Hyundai, Kia

- **Led UI delivery across 63 applications, 3,000+ screens, and 8 visual themes** for three brands, spanning passenger, commercial, and EV vehicle platforms.
- **Designed and governed a typography system supporting 6 writing systems** for multi-market releases.
- **Built and maintained a reusable component library** adopted across 63 applications, reducing repetitive design work and improving development efficiency.
- **Maintained a design-guideline system exceeding 10,000 documentation pages**, standardizing asset naming and classification.
- **Led two UI design teams across separate project phases**, including task assignment, design review, approval, and onboarding.
- **Served as a primary design contact for clients**, translating UX documentation into UI flows within automotive HMI constraints.

Graphic Design & Animation

2012 — 2020
Print & Branding

Design Foundation — print, editorial, branding, motion

- **Built foundational expertise in typography, color, and visual hierarchy** across print layout, editorial publishing, branding, and motion design.
- **Developed animation principles** around timing, easing, and motion clarity that continue to inform interaction and system design.

Tools: Figma, FigJam, Style Dictionary, LCH/CIE color tooling, HTML5/CSS3 (CSS variables, Flexbox, Grid), React, TypeScript, Tailwind, and Claude Code for AI-assisted design-to-code work.