PHAN XUAN CHIEN

Senior Frontend Developer / Full-stack Software Engineer

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PROFESSIONAL SUMMARY

Senior Frontend / Full-stack Engineer with 5+ years of experience architecting and shipping production-grade web platforms from scratch. Proven track record as Frontend Owner delivering high-traffic Korean enterprise portals, AI/LBS platforms, and complex multi-role SaaS systems. Specialized in React 19, Next.js, TypeScript, Node.js/Express, and modern state architectures (Zustand, TanStack Query). Fluent in collaborating with international PM/Design teams in English from Figma to automated CI/CD deployment.

TECHNICAL SKILLS

- **Frontend:** React 19, Next.js, TypeScript, Vite, React Router 7, Web Components (Shadow DOM), Tailwind CSS 4, Ant Design, i18next
- **State & Data Fetching:** Zustand, TanStack Query, Redux Toolkit, React Hook Form
- **Backend & Database:** Node.js, Express 5, Prisma 7, PostgreSQL, MySQL, Redis, Hono, Cloudflare D1, RESTful APIs, WebSocket, SSE, Zod
- **DevOps, Testing & Tools:** Docker Compose, GitHub Actions, AWS (S3, CloudFront, EC2), Vercel, Vitest, React Testing Library, MSW, Figma

PROFESSIONAL EXPERIENCE

PROTOTIE CO., LTD. (주프로토타이) — Seoul, Korea (Remote)

Sole Frontend Developer / Full-stack Engineer | Jun 2026 – Present

Mappia Platform (AI & LBS Pet-Lifecycle Ecosystem) — mappia.ai/open-beta:

- Architected full-stack TypeScript monorepo (npm workspaces: share, api, app) adhering to Handler-Service-Repository and Provider patterns (Payment, Storage, OAuth, SMS).
- Engineered backend engines using Express 5, MySQL, Redis, and JWT: Kibble reward system (FIFO logic, 12-month expiry), PII anonymization, and notification feeds; backed by 288 in-memory unit tests.
- Built corporate & Open Beta platforms on Hono + Cloudflare Pages + D1 with modular scroll-reveal UI, reducing media payload from 19.4MB to 293KB via 4K WebP optimization.
- Implemented secure Contact Board and Admin CMS with SHA-256 Bearer auth, private threads, and metrics dashboard.

Prototie Suite (Corporate Site, Prototie Care, Prototie PM):

- Single-handedly developed and shipped 3 production web apps in 2 months based on Figma designs using React 19, Vite, and Tailwind CSS 4.

- Built multi-role partner portal (Care) featuring cookie-based JWT refresh flow, dynamic route guards, and KR/EN localization.
- Set up robust unit test suite with 54 test files (Vitest, RTL, MSW) covering custom hooks, Zustand stores, and critical views.
- Configured automated CI/CD pipelines deploying to AWS (OIDC, S3, CloudFront).

BLUE DRAGON COMMUNICATIONS — Ho Chi Minh City, Vietnam
Senior Frontend Developer / Frontend Owner | Jan 2025 – May 2026

- **AI Chatbot Widget (dalya-chatbox):** Developed embeddable Web Component using Shadow DOM for style isolation; integrated SSE streaming APIs, session state, and custom rich UI cards.
- **E-Commerce Platform (B2C & Admin):** Led frontend architecture for 4-member team using Next.js & TypeScript; integrated online payment gateways, role-based admin dashboard, and AWS CI/CD pipelines.
- **Water Park Ticketing POS & Kiosk:** Sole FE developer building high-resilience checkout and multi-payment workflows (Cash/Card/Transfer) for Korean on-site operations.
- **Enterprise Insurance & Event Mini-Game:** Built dynamic React interfaces, optimized heavy data tables, and integrated reward logic under strict release deadlines.

PYRAMID SOFTWARE & CONSULTING — Ho Chi Minh City, Vietnam
Software Engineer (Frontend) | Jul 2020 – Jan 2025

- **Digital Notary & Government One-Gate Systems:** Built responsive enterprise portals on React.js; digitized public administrative and notary document workflows for cross-department civil servants and citizens.
- **E-Office Platform:** Implemented role-based task and document routing modules integrated with ASP.NET backend REST APIs.

KEY FULL-STACK PROJECT

ATTENDANCE & PAYROLL HRM SYSTEM — Full-stack Personal Project
Full-stack Developer & Product Owner | Jan 2026 – Present

Tech Stack: React 19, TypeScript, Vite 6, Tailwind CSS 4, Node.js, Express 5, Prisma 7, PostgreSQL, WebSocket, Docker

- Designed multi-portal HRM platform (Admin, HR, Worker) handling GPS/Wi-Fi attendance check-in, dynamic approval workflows (Leave/OT), and live WebSocket notifications.
- Built full Vietnam-compliant payroll engine: progressive PIT calculations, statutory insurance caps (BHXH), allowances, penalty deductions, and Excel payslip snapshots.
- Deployed micro-service ready architecture with role-based JWT auth, cookie refresh mechanics, soft-delete audits, and Swagger documentation.

EDUCATION

Nguyen Tat Thanh University — Bachelor of Information Technology *(2016 – 2020)*