

LU PHI HUNG

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PROFESSIONAL SUMMARY

Full-Stack Developer (Specialized in Frontend) with **3+ years of experience** building high-performance web applications using **React.js and TypeScript**. Strong foundation in JavaScript core concepts (closures, async/await, event loop, prototypes) and extensive experience in **Agile/Scrum environments**. Proficient in architecting large-scale SPA, reusable component/design systems, state management, and performance optimization. Demonstrates a strong **ownership mindset**, proactive problem-solving attitude, and solid expertise in data integration via RESTful APIs and **HTTP Polling strategies**.

EDUCATION & LANGUAGES

Bachelor of Information Technology | Ho Chi Minh University of Science

Oct 2020 - Oct 2024

Languages: Vietnamese (Native), English (Fluent)

WORK EXPERIENCE

Full-Stack Developer (Specialized in Frontend) | TGM Research Vietnam

Jul 2025 - Present

- Refactored legacy React.js + TypeScript codebase, **reducing code complexity** and accelerating feature delivery speed.
- Developed new frontend features for a large-scale SaaS platform utilizing a multi-role/permission architecture.
- Demonstrated strong ownership by **resolving critical production issues** and contributing proactive solutions in Agile/Scrum sprint sessions.
- Integrated **Claude Code** into the project workflow: maintained the project's CLAUDE.md (architecture, domain rules, coding conventions) and connected **MCP servers** (code index, Chrome DevTools) so the AI agent follows team standards and can profile the running app.
- Delivered **400+ AI-assisted commits** across planning, implementation, code review and Playwright E2E tests, and ran recurring AI-driven code-quality and performance audits, with every diff reviewed before merge.

Full-Stack Developer (Specialized in Frontend) | Formo Vietnam

Feb 2025 - Jun 2025

- Engineered a scalable full-stack web application with Next.js for a high-performance **Web3 data analytics and dashboard platform**.
- Designed a unified reusable UI component design system using Radix UI and TailwindCSS, improving development velocity.
- Integrated **real-time data analytics** and dashboard monitoring using **Supabase Realtime** subscriptions combined with smart caching to minimize server load.
- Implemented secure payment processing via Paddle, integrated JWT authentication, and enforced role-based access control (RBAC).

Frontend Engineer | BurningBros Vietnam

Aug 2024 - Feb 2025

- Migrated legacy codebase to modern React.js with TypeScript, **reducing technical debt** and enhancing system stability.
- Collaborated closely with UX/UI teams to optimize interfaces, implement **localization support (multi-language)**, and ensure cross-device/mobile-responsive compatibility.

Frontend Engineer | AZ Solution Vietnam (Freelance)

Aug 2023 - Jul 2024

- Designed and developed a reusable **React.js component library** shared across the team's projects.
- Utilized **Jest** for Unit Testing and Storybook for UI component isolation and preview.

KEY PROJECTS

Offer Module – Internal Management & Client Portal

TGM Research

An ecosystem including an internal operation module and an external client-facing portal

- Built core pricing engine modules (CPI/PPQ/SP) and dynamic multi-value forms using **React Hook Form + Zod** with TypeScript to enforce strict business validation rules.
- Optimized rendering performance by **decoupling Redux data initialization from the UI layer**, utilizing useRef and useMemo for precise data caching to completely eliminate complex rendering loops.

- Architected the external client portal from scratch using **Vite, Tailwind CSS, and Shadcn/ui** inside a **Turborepo monorepo**.
- Kept project comments and notifications in the client portal up to date via **HTTP Polling** with TanStack Query.
- Ensured system stability through rigorous Unit Testing (**Vitest**) and End-to-End Testing (**Playwright**).
- Built the **CI/CD pipeline** on Bitbucket: lint, type-check, unit tests with **coverage gates**, build and Playwright E2E run in parallel on every pull request, plus a weekly full E2E and dependency audit.

Formo – Web3 Forms & Analytics Platform

Formo

A Web3 platform for token-gated forms and surveys with real-time analytics dashboards

- Built the platform with **Next.js** and **Supabase**, storing forms, survey responses, user data and token-gate settings.
- Built **Tinybird pipelines** that ingest and filter events sent from the **Formo SDK**, with SQL queries to process the data for analytics, pushing live dashboard updates to clients via **Supabase Realtime**.
- Wrote a custom **Supabase Edge Function** to handle **Paddle payment webhooks**.
- Implemented **token gating** with **Moralis API** and **Helius API**, checking users' wallets against gate conditions built from crypto token metadata.

Nymusickr.com – Album Sales & Fan Club Platform

BurningBros

A high-traffic web application for selling albums, managing fan clubs, and organizing events

- Leveraged **Remix with SSR optimization** to deliver fast page load times and drastically improve SEO rankings.
- Utilized **HeadlessUI** for fully accessible UI elements; managed development workflows using Jira and Slack.

SharedEstate – Real-World Asset (RWA) Fractionalization Protocol

Solidity, ERC-721, ERC-20, OpenZeppelin, Node.js, Web3.js, Redis

- **Two-tier tokenization:** Architected an RWA fractionalization protocol pairing unique ERC-721 tokens (representing distinct physical asset deeds) with divisible ERC-20 fractional shares, enabling retail liquidity for high-value assets.
- **Vault escrow & minting:** Developed secure custodial vault smart contracts that custody the ERC-721 asset and atomically mint fractional ERC-20 shares; implemented reserve price triggers, buyout auctions, and fair collateral redemption mechanics.
- **Yield distribution:** Built an on-chain dividend distribution engine allowing asset rental income / staking rewards to be deposited and claimed proportionally by ERC-20 token holders without unbounded loop gas limits.
- **Event indexing & rewards:** Built Node.js event listeners with Redis caching to capture on-chain transactions in real time, powering automated multi-tier referral calculations and off-chain portfolio valuation dashboards.

TECHNICAL SKILLS

Frontend Architecture & UI	React.js, Next.js, Remix, TypeScript, JavaScript (ES6+), HTML5/CSS3, TailwindCSS, Shadcn/ui, Radix UI, HeadlessUI, MUI
State & Forms	Redux, Zustand, React Query, React Hook Form, Zod
Backend Integration	RESTful APIs, GraphQL, JWT Authentication, OAuth, Real-time Data Sync (Supabase Realtime, HTTP Polling), Supabase (Database, Edge Functions), Tinybird, Paddle
Tooling, Testing & DevOps	Vite, Turborepo, Jest, Vitest, Playwright, Storybook, CI/CD, Monorepo Management
Web3	Viem, Wagmi, Web3.js, Ethers.js, Web3Modal / RainbowKit, Alchemy, Moralis API, Helius API, Zapper API, The Graph