

Nguyen Ngoc Minh Tu

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PROFESSIONAL SUMMARY

Frontend Engineer with 3+ years of experience building and optimizing React applications, delivering measurable performance improvements and architecting microfrontend migrations for products serving 200+ companies.

EXPERIENCE

Frontend Engineer, Zigvy Corporation

Jan 2023 – Mar 2026

Project: HR Forte (hrforte.com) - All-in-one HR and payroll platform for Asia - Team of 11 | Mar 2025 – Mar 2026

- Architected a microfrontend migration with single-spa to incrementally modernize a legacy React 16/JavaScript application serving 200+ companies and 13,000+ employees to React 19, TypeScript, shadcn, and TanStack Router, as sole engineer on both the new codebase and the migration.
- Reduced initial bundle size by 80% (20 MB to 4 MB) and build time by ~50% by migrating Webpack v4 to v5, implementing route-based lazy loading, chunk splitting, and tailored caching strategies per asset type.
- Led delivery of a self-serve Stripe billing flow that replaced a manual sales process, supporting tiered plans with per-resource usage limits and add-on extensions, including frontend flows for purchase, upgrade, and access gating.

Project: Flampo (flampo.com) - Sports and games management platform - Team of 4 | Nov 2023 – Mar 2025

- Established the frontend foundation from scratch with Zustand for state management, React Router for routing, JWT-based auth, and a shared component library on Ant Design and Tailwind.
- Shipped 10+ core features from zero-to-one as the founding frontend engineer, including multi-step onboarding and entity creation wizards for teams, clubs, and organizations, enabling the platform to launch and onboard its first users.

Project: NotarizeMe (notarizeme.com) - Nationwide mobile notary services platform - Team of 5 | Jan 2023 – Nov 2023

- Resolved a critical Hot Module Replacement (HMR) memory leak crashing the dev server at 2GB by migrating from Create React App to Vite, cutting startup time 12x (25s to 2s) and HMR from 3s to near-instant.
- Shipped a multi-step transaction creation form with draft saving, file uploads and conditional steps.
- Refactored GraphQL queries into reusable fragments, pruning outdated fields and cutting payload size.

EDUCATION

B.Eng. in Information Technology, Posts and Telecommunications Institute of Technology

2018 – 2023

- GPA: 3.48/4.00 - Awarded University Scholarship

TOEIC Listening & Reading: Scored 990/990

Sep 2022

TECHNICAL SKILLS

- **Languages:** JavaScript, TypeScript, HTML, CSS.
- **Technologies:** React, Next.js, Astro; Redux, Zustand, TanStack Router/Query; GraphQL; Tailwind CSS, shadcn, Ant Design; Microfrontends (single-spa, Module Federation); Vite, webpack; Vitest, Storybook.
- **Backend (Familiar):** Node.js, Express.js, PostgreSQL, Drizzle ORM.

PROJECTS

Portfolio Website (github.com/hareki/hareki.dev)

Feb 2026 – Mar 2026

- Personal portfolio website showcasing my work, tools, and interests as a software engineer.
- Achieved 96 - 100 across all Lighthouse categories on mobile devices with Astro. Ships zero JS on critical rendering path, minimal JS on startup, heavy JS is deferred for a highly render-optimized typing test via an Astro React Island.
- Integrated live GitHub repository data via an Astro Server Island (Cacheable version of Next.js Partial Pre-rendering), with dual-layer caching of Cloudflare Worker and browser cache to avoid excessive API calls.
- Built with accessibility, responsive layouts, and system-preference awareness in mind, with subtle motion effects.