NGUYEN TUAN THANH

Senior Frontend Engineer

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SUMMARY

Senior Frontend Engineer with 8+ years of experience in React and TypeScript, shipping AI and fintech products end to end — from embeddable SDKs to production chat UIs — plus web and React Native mobile apps for international clients. Specialized in real-time streaming interfaces, rendering performance, bundle size, reliability and frontend architecture. After leading a frontend team, now deliberately on the hands-on engineering track, owning hard technical problems rather than people management.

EXPERIENCE

PT Ringkas Asia Technology — Fintech & AI — Oct 2024 – Present

Senior Frontend Engineer · Cross-functional team of 20+ (FE, BE, AI, DevOps, QA)

Pillarlab AI — Ringkas's AI unit · app.pillarlab.ai, RISA AI webchat, Program Chat SDK — Mar 2026 – Present

- Built the AI chat client on AG-UI over SSE: streamed text, tool calls and generative UI cards, with a typewriter buffer that smooths the backend's bursty token stream.
- Built the multi-tenant frontend: one build serves every partner program, with branding, theme and locale resolved per entry at runtime.
- Kept app.pillarlab.ai fast as conversations grow: lazy-loaded routes, a separate embed bundle, scroll-up history pagination, and server-state caching moved to React Query.
- Built the Program Chat SDK iframe embed (~22 KiB) so partners such as Honda run the assistant on their own websites.
- Owned frontend security: XSS / data-exfiltration hardening of model output, in-memory tokens, isolated embed storage.

Fintech platform — Consumer App (app.ringkas.co.id), CRM Dashboard (dash.ringkas.co.id, internal), Saudi Arabia market

- Delivered mortgage features for Saudi Arabia with partners ROSHN (developer) and SNB (bank), gradually splitting country-specific source (ID / SA) out of the legacy shared base so each market ships independently.
- Built document, KYC and consent flows on AWS S3; defined API contracts with backend teams.
- Also shipped backend work on Node.js / GraphQL services (AWS Lambda, PostgreSQL) with unit tests.

Tech stack: React, Next.js, TypeScript, Vite, Zustand, React Query, Tailwind CSS, SSE, GraphQL, Node.js, PostgreSQL, Python, AWS (Lambda, S3, EC2, CloudFront), Serverless, Sentry

HDWEBSOFT Software Development Company — Software Outsourcing — Jan 2019 – Oct 2024

Frontend Tech Lead · Team of 12+

Key products: HomeMeta (real estate), CrowdClip (event video), Responsum Health (healthcare), Airmason (HR SaaS), eWebinar (webinar SaaS), Toku (cloud communications)

- Owned frontend architecture and technical direction; selected core technologies and set codebase best practices.
- Translated business requirements into scalable technical solutions with BAs and backend leads.
- Maintained engineering standards through code reviews and hands-on guidance.
- On Toku and Responsum Health, worked across web and mobile: built the web apps with React and Angular, and the iOS / Android apps with React Native.

Tech stack: React, Next.js, Angular, React Native, Gatsby, Redux/Zustand, Tailwind CSS, GraphQL, AWS, Serverless

Continuous Improvement Consulting Company Jan 2018 – Dec 2018

Frontend Developer · VFCS (vfcs.vn)

- Developed core UI features with React and Redux, delivering responsive, user-friendly interfaces.
- Integrated RESTful APIs with the backend team and turned Figma designs into clean, reusable components.
- Optimized component performance and maintained state-management logic for complex data flows.

Tech stack: React, Redux, Java Spring

TECHNICAL SKILLS

Languages	TypeScript, JavaScript, Python, SQL
Frontend	React, Next.js, Remix, Vite, React Native (iOS / Android), Angular, Chrome Extensions
State & Data	React Query, Zustand, Redux (Toolkit, Saga, Thunk), Apollo Client (GraphQL), SSE streaming
Performance	Code splitting, lazy loading, list virtualization, render optimization, bundle-size budgets, caching
UI / Styling	Tailwind CSS, shadcn/ui, MUI, Ant Design, Styled-Components
Backend & Cloud	Node.js, NestJS, GraphQL (Apollo Server), PostgreSQL (Sequelize), Redis, SQS, FastAPI, AWS (Lambda, S3, EC2, CloudFront), Serverless
Quality & Tooling	Vitest, Testing Library, Sentry, GTM/Mixpanel, Feature-Sliced Design
English	Fluent, verbal and written

EDUCATION

Posts and Telecommunications Institute of Technology (PTITHCM) — Bachelor of Engineering in Software Engineering 2018