NGUYEN TUAN THANH

Frontend Lead

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SUMMARY

Frontend lead with 8+ years building React and Next.js products, including 5+ years leading a frontend team of 12+ engineers. Combines hands-on architecture — real-time AI chat over SSE, multi-tenant platforms, embeddable SDKs — with growing engineers, setting engineering standards and turning business goals into delivery plans. Builds the operating model for AI-assisted teams — machine-readable rules, living architecture docs and lint-enforced boundaries so every engineer's AI agent ships code that follows the same conventions. Specialized in rendering performance, reliability, frontend security and scalable codebase structure.

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

- Started the Pillarlab frontend codebase from scratch and set up the team's AI-assisted development model: a CLAUDE.md / AGENTS.md rule book shared by Claude, Codex and Cursor, plus 16 living architecture docs the agents load on demand.
- Backed the written rules with tooling: Feature-Sliced Design import boundaries in ESLint, a madge cycle check in lint, 180+ Vitest suites; teammates update the rules in the same merge request as their feature code.
- Designed and 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.
- Built the Program Chat SDK iframe embed (~22 KiB) so partners such as Honda run the assistant on their own websites.
- 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.
- 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)

- Led a frontend team of 12+ across six client products, handling task planning, onboarding and day-to-day technical guidance.
- Owned frontend architecture and technical direction; selected core technologies and set codebase best practices across projects.
- Mentored junior and mid-level engineers through code reviews and pairing.
- Delivered server-rendered and statically generated pages with Next.js and Gatsby for eWebinar and Airmason, where SEO and first-load speed mattered.
- 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.
- Introduced shared conventions across projects: code-review guidelines, reusable component patterns and state-management standards (Redux, later Zustand).
- Turned business requirements into estimates and delivery plans with BAs, backend leads and the company's US-based partner.

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)

- Built core UI features with React and Redux, integrating REST APIs and turning Figma designs into reusable components.

Tech stack: React, Redux, Java Spring

TECHNICAL SKILLS

Leadership	Leading a 12+ engineer team, mentoring, code-review standards, technical direction, estimation and delivery planning, stakeholder communication
AI Engineering	Claude Code, Codex, Cursor; CLAUDE.md / AGENTS.md rule books, agent skills, AI code review, lint-enforced conventions
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
Architecture	Feature-Sliced Design, multi-tenant theming, embeddable SDKs (iframe), API contract design
Performance	Code splitting, lazy loading, list virtualization, render optimization, bundle-size budgets, caching
Quality & Security	Vitest, Testing Library, Sentry, GTM/Mixpanel, XSS hardening, secure token handling
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
English	Fluent, verbal and written

EDUCATION

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