NGUYEN TUAN THANH

Senior Fullstack Engineer

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SUMMARY

Senior Fullstack Engineer with 8+ years of experience building and shipping web products end to end, from database and API design to UI, deployment and production monitoring. Strongest on the frontend with React and TypeScript, and comfortable on the backend with Node.js, Python, PostgreSQL and AWS. Recent work: fintech products and AI chat web clients used by partners and end customers across Indonesia and Saudi Arabia. Former tech lead of a 12+ engineer team, now focused on hands-on engineering.

EXPERIENCE

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

Senior Fullstack 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 real-time streaming web clients (SSE) for our AI chat products, and contributed to the Python backend services behind them.
- Built a multi-tenant web platform and an embeddable chat SDK (~22 KB script) that partner companies run on their own websites.
- Drove performance, security and reliability improvements across frontend and backend.

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

- Developed fullstack features for the mortgage platform across Indonesia and Saudi Arabia, working with partners ROSHN and SNB.
- Built and maintained Node.js / GraphQL APIs on AWS serverless with PostgreSQL, including business logic, access control, migrations and unit tests.
- Built customer-facing and internal web apps, and integrated AWS services for document storage and processing.
- Worked with product, design and QA from requirements to release; defined API contracts across teams.

Tech stack: React, Next.js, TypeScript, Node.js, Python, GraphQL, FastAPI, PostgreSQL, Redis, AWS (Lambda, S3, SQS, EC2, CloudFront), Serverless, Docker, 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 team of 12+ engineers delivering web products for international clients in real estate, healthcare, HR and communications.
- Owned technical direction and architecture; selected core technologies, set best practices, ran code reviews and mentored engineers.
- Turned business requirements into scalable solutions with BAs and backend leads, working on GraphQL / REST APIs on AWS serverless.
- 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, Node.js, AWS, Serverless

Continuous Improvement Consulting Company Jan 2018 – Dec 2018

Frontend Developer · VFCS (vfcs.vn)

- Developed core UI features with React and Redux; integrated RESTful APIs with the Java Spring backend team.
- Turned Figma designs into clean, reusable components and optimized component performance.

Tech stack: React, Redux, Java Spring

TECHNICAL SKILLS

Main stack	React, TypeScript, Node.js, Python (also JavaScript, SQL)
Backend core	REST & GraphQL API design, data modelling, SQL, auth & access control, caching, background jobs
Frontend	React, Next.js, Angular, React Native (iOS / Android), Vite, React Query, Zustand, Redux, Tailwind CSS, shadcn/ui
Backend (Node.js)	Express, GraphQL (Apollo Server), REST APIs, serverless functions
Backend (Python)	FastAPI, Pydantic, SQLAlchemy, Alembic, asyncio
AI products	Streaming chat UIs (SSE), LLM API integration
Databases	PostgreSQL, Redis
Cloud & DevOps	AWS (Lambda, S3, SQS, EC2, CloudFront, RDS), Serverless Framework, Docker, Git / GitLab
AI tooling	Claude Code, Codex, Cursor; shared agent rule books, AI code review, lint-enforced conventions
Quality & Security	Jest, Vitest, Testing Library, Sentry, authentication & RBAC, XSS hardening
Also used	NestJS, Sequelize, Remix, MongoDB, LangGraph
English	Fluent, verbal and written

EDUCATION

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