

Loi Minh Tran Senior Full Stack Engineer

✉ loi.tran.dev@gmail.com

📍 Ho Chi Minh City, Vietnam

🔗 Portfolio

🐙 Github

📁 EXPERIENCE

Senior Full-Stack Engineer, Tiki Corporation 🔗

- Architected enterprise-scale, CMS-driven reusable page builder blocks with dynamic configurability using Sanity and Contentful, enabling non-technical teams to manage content across 5+ production sites. Designed custom schemas and optimized GROQ queries, resulting in 0% faster content delivery.
- Delivered high-performance web applications using Next.js, React, and Tailwind CSS, implementing advanced rendering strategies (SSR, SSG) to achieve a 25% increase in user engagement and 20% improvement in Core Web Vitals.
- Integrated TypeScript across full-stack codebases, reducing production defects by 15% and improving overall code quality and maintainability, and developed pixel-perfect, responsive UIs with Tailwind CSS, aligning closely with Figma designs for precise implementation.
- Optimized performance and SEO by implementing lazy loading, strategic code splitting, and adhering to SEO best practices, resulting in higher search rankings and improved UX metrics.

Senior Backend Engineer, VNG Corporation - ZaloPay 🔗

- Engineered an advanced transaction engine with the capacity to manage 150,000 requests per second, utilizing technologies such as Node.js, TypeScript, PostgreSQL, and Prisma ORM.
- Scaled APIs with AWS Lambda@Edge + CloudFront and implemented GraphQL Federation (Apollo).
- Developed real-time fraud detection microservice (Python + TensorFlow Lite) saved \$18M/year in fraud.
- Implemented CQRS and event-sourcing for wallet balances, ensuring 100% audit compliance.

Full Stack Developer, FPT Software - Global Delivery Center 🔗

- Delivered 7 enterprise projects (\$M+ total) for Japan & Singapore clients using React, Node.js and Docker.
- Pioneered company-wide Docker + GitHub Actions CI/CD in 2016 reduced release cycle from weeks to hours.
- Developed real-time fraud detection microservice (Python + TensorFlow Lite) saved \$18M/year in fraud.
- Migrated legacy AngularJS apps to React + TypeScript + Redux Toolkit.

Junior Full-Stack Developer, NashTech Vietnam 🔗

- Built secure banking modules for HSBC & Standard Chartered using Java Spring, AngularJS and MySQL.
- Optimized SQL queries and reduced page load time 67% via indexing and caching strategies.
- Shipped 18 production apps using the MEAN stack.
- Built Vietnam's first major online learning platform (later acquired).

🎓 EDUCATION

Bachelor of Engineering in Computer Science and Engineering, FPT University 🔗

- Graduated 6 months early (Top 3% of cohort).
- Thesis: High-performance real-time systems with Node.js & WebSocket.

CBSE Senior Secondary Education, Hanoi-Amsterdam High School for the Gifted 🔗

- National Silver Medal - Vietnam Informatics Olympiad 2010.
- Ranked 1st in Informatics & Mathematics all 3 years.

🧠 TECHNICAL SKILLS

Programming Languages

TypeScript | JavaScript | PHP | Python
| Go (intermediate) | C#

Frameworks & Libraries

React | Next.js | Node.js | Vue |
Angular | NestJS | Laravel | Django |
FastAPI | Flask | ASP.NET | React
Native | Flutter | Ionic

UI & Animation Libraries

Radix UI | Shaden UI | Framer Motion

Tools & Platforms

Git | Docker | Kubernetes | Terraform
| AWS | Vercel | Turborepo | Linear |
Postman

State Management & ORM

Zustand | Prisma ORM | Mongoose
ODM

Other Tools & Concepts

GraphQL | Sanity CMS | Auth.js | Zod |
WebSocket | Kafka | SSR | CSR | SSG |
IRPC

Databases & Caching

PostgreSQL | MySQL | MongoDB |
Redis | DynamoDB | Prisma ORM |
Mongoose | Supabase | Firebase

NOTABLE PROJECTS

StarForge - Modern AI SaaS Landing Page,

Tech Stack - Next.js, React, TypeScript, Tailwind CSS, ESLint, Prettier, React Just Parallax, Framer-Motion, Vercel

- Built with modern UI/UX principles showcasing sleek design and seamless animations.
- Implemented responsive design with Tailwind CSS for optimal user experience.
- Leveraged Next.js for server-side rendering and optimal performance.
- Created an animated bento grid layout with parallax effects for engaging interactions.

Next Venture - Startup Pitch Platform,

Tech Stack - Next.js 15, React 19, TypeScript, Sanity CMS, Tailwind CSS, Markdown, Zod, Auth.js, Motion@

- Developed a full-stack platform for entrepreneurs to submit, browse, and showcase startup pitches, leveraging Next.js 15 features like Partial Prerendering, Server Actions, and Unstable After for high performance and scalability.
- Engineered a dynamic content system with Sanity CMS, enabling real-time updates, GROQ querying, and a customized Sanity Studio for admin features like Editor Picks.
- Implemented secure GitHub OAuth authentication with Auth.js for personalized profiles and real-time pitch submissions, and designed a responsive UI using Tailwind CSS, Shaden UI, and Framer Motion for micro- interactions.
- Delivered features including multimedia pitch submissions, dynamic search with category filtering, detailed pitch pages with view counters, and integrated Live Content API for real-time homepage updates.

ACHIEVEMENTS

Academic Excellence Award

- Received twice for consistently achieving an aggregate of over 80%, recognizing outstanding academic performance and dedication.

Sanity Certified Developer

- Recognized for CMS schema design, GROQ querying, and building customized Sanity Studio experiences integrated into production application.