Loi Minh Tran

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Education

Bachelor of Engineering in Computer Science and Engineering Aug 2011 – June 2015
FPT University *Hanoi, Vietnam*

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

CBSE Senior Secondary Education Apr 2008 – Mar 2011
Hanoi-Amsterdam High School for the Gifted *Hanoi, Vietnam*

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

Experience

Tiki Corporation Mar 2021 – Present
Senoir Full-Stack Engineer *(Hybrid) Ho Chi Minh City*

- 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 **40% 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 prac-tices**, resulting in higher search rankings and improved UX metrics.

VNG Corporation – ZaloPay Jun 2018 – Feb 2021
Senior Full-Stack Developer *(Hybrid) Ho Chi Minh City*

- Built **high-throughput transaction engine** (150k RPS) using **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.
- Introduced **CQRS** + **event-sourcing** for wallet balances → 100% audit compliance.

FPT Software – Global Delivery Center Jul 2015 – May 2018
Full Stack Developer *(Hybrid) Hanoi*

- Delivered 7 enterprise projects ($4M+ 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**.

NashTech Vietnam Jan 2013 – Jun 2015
Junior Full-Stack Developer *(Hybrid) Ho Chi Minh City*

- 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).

Technical Skills

Programming Languages: TypeScript | JavaScript | PHP | Python | Go (intermediate) | SQL
Frameworks & Libraries: React | Next.js | Node.js | Vue | Angular | NestJS | Laravel | Django | React Native
Databases & Caching: PostgreSQL | MongoDB | Redis | DynamoDB | Prisma ORM | Mongoose
Tools & Platforms: Git | Docker | Kubernetes | Terraform | AWS | Vercel | Turborepo | Linear | Postman
State Management & ORM: Zustand | Prisma ORM | Mongoose ODM
UI & Animation Libraries: Radix UI | Shadcn UI | Framer Motion
Other Tools & Concepts: GraphQL | Sanity CMS | Auth.js | Zod | WebSocket | Kafka | SSR | CSR | SSG | tRPC

Notable Projects

Zenith Academy – Interactive Learning & Teaching Platform | ⬈ Live   Oct 2024 – Feb 2025

Tech Stack – TypeScript, Next.js, Turborepo, Express.js, MongoDB, Tailwind CSS, Zustand, ShadCN, JWT, Razorpay, Cloudinary

- Developed a **learning platform** empowering students to **enrol, consume, and rate courses**, while enabling instructors to **create, manage, and monetize** educational content with a seamless user experience.

- Engineered **secure authentication and role-based authorization** using JWT and Bcrypt, implementing personalized dash-boards for students and instructors with protected routes.

- Integrated the **Razorpay payment gateway** for smooth course purchases, alongside cart, and checkout functionalities to streamline the enrollment process.

- Designed a **responsive, minimalistic UI** with Tailwind CSS, Zustand for state management, and Framer Motion for anima-tions and micro-interactions to enhance user engagement across devices.

- Built **RESTful APIs** for course management, media uploads (Cloudinary), progress tracking, and instructor dashboards with data visualizations, leveraging **Turborepo** for optimized monorepo builds and deployments.

Next Venture – Startup Pitch Platform | ⬈ Live   Dec 2024 – Jan 2025

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, Shadcn 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 (2024, 2025)** – Received twice for consistently achieving an aggregate of over 80%, recog-nising outstanding academic performance and dedication.

- **1st Prize – ExploreIn Web-D Bootcamp** – Secured 1st place among 250+ participants, demonstrating advanced web development skills and problem-solving capabilities.

- **Open Source Contributor** – Contributed to high-impact open-source projects with a cumulative 15,000+ GitHub stars, enhancing features and code quality.

- **Sanity Certified Developer (2025)** – Recognized for CMS schema design, GROQ querying, and building customized Sanity Studio experiences integrated into production application.