Nguyen Luong Toan

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Summary: I'm Toan, a passionate front-end developer with 4 years of experience specializing in Finance, Banking, and E-commerce. My expertise lies in crafting dynamic user experiences with a strong focus on performance, security, and scalability.

I possess the ability to analyze, plan, and execute front-end projects from inception to production, including mentoring team members. My experience ranges from developing simple e-commerce websites to complex enterprise systems requiring advanced access control and high security.

SKILLS & TECHNOLOGIES

Languages	Frameworks	Libraries	Databases
- TypeScript	- React.js, Next.js	- Redux toolkit, TanStack	- PostgreSQL
- Javascript	- Express.js, Fastify	- tRPC, RESTful, GraphQL, Websocket	- MySQL
- C#	- .NET Core	- Shadcn-UI, MUI, Ant design	- MongoDB
		- Tailwind CSS, SCSS, HTML	
		- Prisma, Drizzle, Pino Logger	
		- Auth.js (NextAuth.js), JWT	
		- Webpack (Module Federation)	

PROFESSIONAL EXPERIENCE

Maybank Investment Bank (Vietnam)   **09/2022 – Present (2 years)**

The first stock firm that has foreign partners in Vietnam. It provides all securities services such as securities brokerage service, securities depository service, investment consultant service, research and analysis service, and corporate finance service.

Responsibility: Team leader (3 members)   Position: Frontend Lead
- Guide team members, review code, and monitor the team's code quality.
- Worked closely with QA, PO, stakeholders, and other developers to plan, estimate, prioritize, and assign tasks to team members, as well as to implement features.
- Optimized existing source code and designed reusable components/functions to improve the developer experience.
- Led the development of the frontend codebase for two major projects.

Projects:
1. Middle-office:

Middle-office is an in-house system serving more than 200 employees from different departments, as a digital transformation solution with the intent of improving the way we manage our front-to-back office functions for the entire business.

- Technologies: .NET core (microservices), ReactJS, RESTful, Role-Based Access Control

- Duties/Highlights:
    + Implemented refresh token and user session mechanisms using JWT, cookies, and server sessions.
    + Developed role-based access control to manage department/user roles and secure protected pages/APIs.

2. Open trading account page (OAP):

OAP is a digital onboarding platform designed to streamline the process of opening trading accounts. Integrated with eKYC (electronic Know Your Customer) technology, this system enhances user experience by enabling secure and efficient identity verification, liveness check.

- Technologies:
    + **Next.js v14 (app router)**, **React v18**
    + **ShadCN UI**, **Tailwind CSS**
    + **React Hook Form** + **Zod** (form validation)
    + **NextAuth** (managing sessions and securing protected pages)
    + **Responsive design** (mobile-first, tablet, desktop)
    + Photo and video capture (tested across Safari, Chrome, and Edge on multiple devices)
    + Other tools: Logging, Server actions, **Next-intl** (internationalization), **Google reCAPTCHA v3**

- Duties/Highlights:
    + Built the codebase from scratch, conducted research and code reviews, and made key technical decisions to address challenges.
    + Set up the development environment, including proxy server configuration with **Nginx** and managing SSL certificates.
    + Collaborated closely with QA, PO, stakeholders, and backend developers, contributing to high-level system design.

Achievements:
- Outstanding performance of the year (2023)

Manabie   **10/2021 – 09/2022 (1 years)**

Manabie was founded in Singapore, applying educational methods from Japan. Manabie is present in Japan, Vietnam and Singapore, licensed by the Department of Education and Training in many provinces/cities to provide learning resources for schools.

Responsibility: Position: Frontend Engineer
- Implement well-tested features.
- Write documentation, technical specification.

- Write unit test, E2E test.
- Review code.

Projects:
1. Admin portal:

Admin portal is a back-office system for an online learning service for high school students (G10-12) and university exam candidates.
- Technologies:
    + ReactJS, Material UI.
    + React hook form, TanStack query.
    + GraphQL (Hasura).
    + Jest & React testing library (Unit test).
    + Playwright (End to end test).

VN Ngay Nay   **04/2021 – 9/2021 (6 mos)**

VN Today is a free online newspaper reading application, hot news, 24h news with many of the latest articles in Vietnam, helping you update domestic and foreign news in the most comprehensive way.

Responsibility: Position: Web developer (intern)
- Implement web-based games.
- Implement PWA (progressive web application).

Technologies:
- Phaser (game engine).
- ReactJS (UmiJS), Ant Design.
- Webpack.

AWARDS

Maybank Investment Bank (Vietnam) - Outstanding performance of the year (2023)

EDUCATION

Vietnam National University, Ho Chi Minh City (VNU - HCM) - University of Information Technology (UIT)

Bachelor of Information Technology
2018-2022