

# CAO THIEN DUY

## Software Engineer | Full-stack Developer | Adaptable Across Languages

Full-stack Engineer with 3+ years of experience in building scalable, multi-region web platforms. Strong foundation in computer science, algorithms, and system design, allowing quick adaptability to any programming language or framework. Specialized in ReactJS, NodeJS, and TypeScript, with proven experience in developing performant and maintainable systems.

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## PROJECTS

### Buytopia ([Full-Stack](#)) — 2 weeks

- Built a scalable e-commerce prototype with product search, filtering, checkout, and order tracking.
- Applied modular architecture and reusable components, ensuring the solution can be adapted across different stacks.
- Tech stack: ReactJS/Redux for UI, NodeJS/ExpressJS for APIs, MongoDB for persistence.
- **Demo:** <https://buytopia.vercel.app/>

### Task Management System ([Full-Stack](#)) — 3 weeks | 3rd Prize, CoderSchool Demo Day 2022

- Designed a task & file management platform with drag-and-drop, filtering, and real-time file sharing.
- Focused on user experience, scalable state management, and role-based access control.
- Applied client-server model and reusable logic that could be ported to different languages.
- Tech stack: ReactJS/Redux, NodeJS/ExpressJS, MongoDB, Material UI.
- **Demo:** [duy-mh-architects.netlify.app/](https://duy-mh-architects.netlify.app/)

### The Movie App — 2 days

- Developed a movie browsing platform with search, filtering, detail view, and favorites list.
- Emphasized clean architecture and separation of concerns, making the logic portable across different UI frameworks.
- Tech stack: ReactJS, Material UI.
- **Demo:** [duy-movie-app.netlify.app/](https://duy-movie-app.netlify.app/)

### Algorithm & Data Structure Playground (Personal Project) — ongoing

## TECHNICAL SKILLS

### Programming Languages:

JavaScript (ES6+)/  
TypeScript/ Python  
(Basic)/ Java (Basic)

### Front-end:

ReactJS/ Redux/  
VueJS/ NextJS/  
RemixJS/ HTML/ CSS/  
TailwindCSS/ Material  
UI/ Ant Design/ Shadcn

### Back-end:

Node JS/ Express JS/  
RESTful API

### Database:

MongoDB/ SQL (basic)/  
Database design

### Testing:

Jest/ Cypress/ Mocha

### Tools & Others:

Git/ VS Code/ NeoVim/  
Cursor AI/ Thunder  
Client/ Docker (basic)

### Core Knowledge:

Data Structures &  
Algorithms/ OOP/  
Functional  
Programming/ Design

- Implemented classic algorithms (sorting, graph traversal, dynamic programming) in JavaScript, Python, and Java to strengthen language-independent problem-solving.
- Demonstrates adaptability to multiple programming languages and focuses on core CS fundamentals.
- Repo: [github.com/thienduy1295/Rabbit](https://github.com/thienduy1295/Rabbit)

## EDUCATION

**Full-stack Developer** — CoderSchool, HCM

FEBRUARY 2022 - MAY 2022

**Information Technology** — TDT University, HCM

2013 - 2017

## EXPERIENCE

**Full-Stack Developer** — bTasker

JULY 2022 - Now

- Developed and maintained internal web applications supporting multiple departments, including Marketing, Accounting, and Customer Support.
- Built and optimized multi-region platforms operating across Vietnam, Thailand, Indonesia, and Malaysia, improving scalability and performance.
- Engineered complex and responsive data tables using TanStack Table, with features like filtering, pagination, sorting, and bulk selection.
- Implemented dynamic form systems using React Hook Form and Zod, improving form reliability and reducing validation bugs.
- Integrated external REST APIs and third-party services into the system and optimized MongoDB queries for better performance.
- Gained hands-on experience with Node.js and ExpressJS through personal projects, building RESTful APIs, and working with MongoDB for backend development.
- Actively participated in gathering requirements and collaborating with stakeholders to ship maintainable and business-aligned features.
- Focused on performance tuning, code maintainability, and writing clean, reusable React components in TypeScript.

**Mechanical engineer** — Hiep Phuoc Tech Mechanical Co., Ltd, HCM

FEBRUARY 2020 - JANUARY 2022

- Operated CNC milling machines and created technical drawings.
- Proficient in Autodesk Inventor and AutoCAD for design tasks.

Patterns/ System Design

## SOFT SKILLS

Problem-solving

Critical thinking

Team collaboration

Self-learning

Communication

Responsibility

## LANGUAGES

**English:** Professional working proficiency

**Vietnamese:** Native

