

Cao Dang Tinh

Fullstack Developer

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Overview

Fullstack Developer with over 4.5 years of experience specializing in the JavaScript/TypeScript ecosystem, particularly React.js, Next.js, Node.js, and Nest.js. Proven ability to architect scalable backend systems, design robust RESTful APIs, and deliver highly responsive, pixel-perfect user interfaces. Adept at managing end-to-end project lifecycles—from database design to CI/CD deployment—with a strong focus on performance optimization and clean code practices.

Skills

Languages HTML5, CSS3, JavaScript (ES6+), TypeScript, Java,...

Framework React.js, Next.js, Node.js, Express.js, Nest.js,...

Deployment AWS Service, GCP, Docker, Nginx,...

Work experience

01/2024 - 02/2026

Agest Vietnam - Fullstack Developer

- Led the end-to-end development of features for the TestArchitect platform, balancing scalable backend architectures with responsive frontend components using React/Next.js.
- Designed and implemented robust RESTful APIs and microservices, optimizing database queries and data processing pipelines to enhance system performance.
- Collaborated closely with cross-functional teams to define system requirements, database schemas, and seamless API integrations.
- Maintained strict code quality across the full stack by enforcing ESLint/Prettier standards, writing clean code, and conducting rigorous code reviews.

05/2021 - 01/2024

The Binary Holdings - Fullstack Developer

- Architected and developed full-stack web applications and CRM systems utilizing Next.js for the client side and Node.js/Express.js for the backend.
- Built and managed centralized databases (MySQL, PostgreSQL), designing efficient schemas to handle large-scale user data and system metrics.
- Implemented complex frontend features with TailwindCSS and Framer Motion, ensuring high Lighthouse scores (90+) through robust performance optimization.
- Integrated backend services with Web3 technologies, managing secure authentication flows and scalable data synchronization across the ecosystem.

08/2021 - 11/2023

RockyStudio - Web Developer (Project contract)

- Developed and optimized real-time full-stack applications, ensuring seamless latency-free user experiences and robust server-side processing.
- Refactored legacy codebases (both frontend and backend) to improve system maintainability, rendering speed, and overall security.
- Worked effectively in a collaborative Agile team environment, actively participating in system architecture discussions and code optimization.

CV Craft
AI Application

Description	AI-powered professional CV builder — features JD Matching analysis with RAG, real-time Mock Interview with AI via WebSocket, free PDF export and full resume management.
Technologies	Next.js, NestJS, TypeScript, Tailwind CSS, shadcn/ui, Prisma, PostgreSQL, Redis, Google Gemini AI (RAG), WebSocket, Clerk Auth, React-PDF, Redux Toolkit, Docker, GCP, Turborepo
Position	Developer
Responsibilities	Project management, system architecture design (Turborepo monorepo + NestJS modular), full-stack development (Frontend & Backend), AI integration (RAG + Mock Interview), database schema design, CI/CD and Docker deployment
Domain	SaaS / AI Application
Demo	http://cv-builder.site https://github.com/DangTinh040203/rag-cv-builder https://github.com/DangTinh040203/cv-builder-fe

TestArchitect Cloud
SaaS Migration

Description	TestArchitect Cloud is a powerful SaaS no-code automation platform built to accelerate testing, boost team collaboration, and deliver higher-quality releases—without writing a single line of code. It empowers QA teams, business analysts, domain experts, and developers to build, run, and scale automated tests with unmatched speed and simplicity.
Technologies	Next.js, TypeScript, TailwindCSS, Axios, Redux, Spring Boot, K8S, AWS Services
Position	Developer
Responsibilities	Developed frontend features and implemented designed interfaces, built RESTful APIs with cloud integrations, participated in testing, and optimized overall project performance.
Domain	SaaS / Automation Testing
Demo	https://cloud.testarchitect.com

TestArchitect UI Mapify
Browser Extensions

Description	TestArchitect UI Mapify – Auto-generate CSS/XPath Locator is a free Chrome extension purpose-built for automation testers to streamline the creation and verification of web element locators. By automating the generation of high-quality selectors, this tool eliminates the tedious and error-prone process of manual coding, significantly accelerating the automation workflow.
Technologies	TypeScript, TailwindCSS, Axios, OpenAI API, Webpack, Vite.js
Position	Developer
Responsibilities	Owned the end-to-end development of the tool, from UI design to core logic, focusing on automating locator generation and streamlining the Page Object Model workflow for automation testers.
Domain	Browser Extensions
Demo	https://testarchitect.com/product/testarchitect-ui-mapify

The Binary Network

Web3 Ecosystems

Description	The Binary Network is a "Web 2.5" infrastructure platform that integrates blockchain into telco and banking apps. By removing complex wallet barriers, it enables millions to use dApps via their daily apps. Powered by The Binary Network (L2) and the \$BNRY token , it converts user activity into real-world rewards like mobile data.
Technologies	Next.js, TypeScript, TailwindCSS, Axios, Supabase, Express.js, Solidity, Optimism network
Position	Developer
Responsibilities	Developed the entire web application using Next.js and Express.js, ensuring a seamless user experience.
Domain	Web3 Ecosystems / Blockchain Integration
Demo	https://network.thebinaryholdings.com/

The Binary Holdings

Web3 Ecosystems

Description	Developed a high-performance landing page to introduce the Web3 ecosystem. Focused on Growth Engineering principles to maximize user reach and engagement through technical SEO and speed optimization.
Technologies	Next.js, TypeScript, TailwindCSS, Shadcn UI, Framer motion, Axios, Supabase
Position	Developer
Responsibilities	<ul style="list-style-type: none">• Collaborated closely with UI/UX designers to translate Figma concepts into pixel-perfect, responsive interfaces using Next.js, TailwindCSS, and Framer Motion.• Implemented technical SEO best practices (meta tags, structured data/Schema markup) and integrated analytics for tracking user conversion.
Domain	Web3 / Blockchain
Demo	https://www.thebinaryholdings.com/

The Binary Holdings - CRM

Admin Tools

Description	Developed a specialized CRM system to manage data and user growth metrics for The Binary Holdings Web3 Ecosystem. The system centralizes data management and provides tools for administrative control.
Technologies	Next.js, TailwindCSS, Shadcn, Supabase, Better Auth
Position	Developer
Responsibilities	<ul style="list-style-type: none">• Designed and developed the full-stack architecture, including the Admin Dashboard and backend services.• Built a centralized MySQL database to manage and synchronize data for The Binary Holdings ecosystem.• Developed internal tools for tracking user metrics, managing content, and monitoring system progress.• Integrated data processing modules to streamline administrative workflows and reporting.
Domain	Data Management / Admin Tools
Demo	(Internal System)