

Trịnh Minh Tuấn

FullStack Developer

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SUMMARY

Frontend engineer with over 2 years of experience in developing applications using React and Next.js. Experienced in working on projects related to ecommerce, landing pages, and mobile, as well as controlling autonomous vehicles and unmanned aerial vehicles through communication with robot systems (ROS) using MQTT and Socket protocols for data processing. Also, nearly 1 year of experience in backend development with Node.js. I am dedicated and serious about my work to create value for the company. I am also constantly exploring, learning, and improving my knowledge and skills to become a better engineer.

WORK EXPERIENCE

Phenikaa-X Company	03/2022 - 08/2024
Full stack developer	
<ul style="list-style-type: none">• Deploying monitoring applications• Advertising for the company• Deploy management web services for schools	
ITS Global Company	10/2021 - 02/2022
Front End	

PROJECT

Auto Car Server
(09/2022 - 03/2023)

Client	Phenikaa-X Company
Project description	Managing users, vehicle management, map management, and vehicle information management via MQTT and socket.
Number of participants	5
Position	Back end
Your position, duties in the project	<ul style="list-style-type: none">• Building user management, map management, vehicle information, and vehicle configuration.• Authenticating user accounts using JWT (JSON Web Token).• Connecting to MQTT with unmanned vehicles and establishing socket connections with the user interface to send data back to the user interface for display on the map.• Data management and analysis of running vehicles.• Responsible for these services.
Technologies used	Nodejs(express), MQTT, Socket, MongoDB

WebSite Phenikaa-X
(09/2023 - 12/2023)

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Client	Phenikaa-X Company
Project description	The official website of Phenikaa-X, helping partners easily search for the company's products and get in touch.
Number of participants	1
Position	Main Responsibility
Your position, duties in the project	<ul style="list-style-type: none"> • Develop and enhance the company's showcase website, ensuring a professional and user-friendly interface. Optimize the website for smooth interactions across all devices and browsers. • Monitor and improve website performance, particularly page load speed and user experience. • Utilize Vite to streamline development processes and enhance project performance. • Integrate and optimize SEO to improve the website's search visibility. • Serve as the lead person responsible for managing and executing the project.
Technologies used	ReactJs, Vite, Tailwindcss.

Drone in a Box

(01/2024 - 04/2024)

Client	Phenikaa-X Company
Project description	Develop a comprehensive system for managing drones, maps, flight zones, flight plans, and automatic flight planning. The system uses WebSocket and Express for real-time communication, while MongoDB is used for data storage. The user interface is built with Next.js, Socket.io, and TailwindCSS, providing an interactive and responsive user experience.
Number of participants	2
Position	Full Stack
Your position, duties in the project	<ul style="list-style-type: none"> • Design and build the overall system architecture, including front-end and back-end components. Develop and maintain real-time communication between the server and drones using WebSocket, ensuring accurate data collection and processing. • Design MongoDB database schemas to manage data related to drones, flight zones, and flight plans. • Build back-end services using Express and Cronjob to automate flight planning processes and manage flight tasks. • Integrate and manage mapping services to visually display and manage flight zones and routes. • Develop the user interface with Next.js and TailwindCSS, optimizing the drone management experience for users. • Work closely with stakeholders to define and refine requirements, ensuring the system operates effectively and meets real-world needs.
Technologies used	Express, MongoDB, WebSocket, Cronjob, Next.js, Socket.io, TailwindCSS, MapBox

Semiconductor

(09/2022 - 04/2023)

Client	Phenikaa-X Company
Project description	The official website of the Semiconductor Center, helping partners easily search for the center's products and get in touch.
Number of participants	2
Position	Front End
Your position, duties in the project	<ul style="list-style-type: none"> • Customize the website interface using WordPress tools to modify colors, fonts, and layout.

	<ul style="list-style-type: none"> • Select and implement a theme from the WordPress library or from third-party providers. • Install and configure necessary plugins for the website. • Optimize page load speed using tools such as Google PageSpeed Insights. • Optimize content and website structure to improve SEO rankings. • Ensure the website performs well across all devices and browsers.
Technologies used	WordPress

Phenikaa Mec

(05/2023 - 08/2023)

Client	Phenikaa-X Company
Project description	The official website of the Semiconductor Hospital, helping partners easily find information about the hospital's products and schedule appointments.
Number of participants	2
Position	Front End
Your position, duties in the project	<ul style="list-style-type: none"> • Customize the website interface using WordPress tools, including colors, fonts, and layout. • Select and implement a theme from the WordPress library or purchase from providers. • Develop appointment scheduling and doctor information lookup pages. • Install and configure necessary plugins according to project requirements. • Optimize page load speed and user experience using Google PageSpeed Insights. • Optimize SEO for pages and posts to enhance search visibility. • Ensure the website displays well across all devices and browsers.
Technologies used	WordPress, NextJS, Tailwindcss, WebSocket.

Phenikaa Training Center

(01/2024 - 06/2024)

Client	Phenikaa University
Project description	A project managing and showcasing four centers of Phenikaa University. Manages courses and instructors, course registrations, and credit exam registrations.
Number of participants	3
Position	Main Responsibility
Your position, duties in the project	<ul style="list-style-type: none"> • Develop and enhance a website that aggregates information about the four centers, courses, instructors, and payment features. • Develop the project using Next.js, ShadUI, and TailwindCSS to create a modern, responsive user interface. • Use WebSocket to provide real-time payment updates to users. • Design and manage the database system, payment features, and synchronize instructor data. • Use WebSocket to notify users of successful payments. • Integrate Google and Microsoft authentication to allow easy user login. • Manage all courses, users, instructors, lessons, and centers. • Take primary responsibility for project implementation and management.
Technologies used	ReactJs, NextJs, NodeJs (ExpressJs), MongoDB, Tailwindcss, WebSocket.

EDUCATION

FPT University

10/2020 - 04/2024

Software application

TECHNICAL SKILLS

Programming Languages	JavaScript(2+ years), TypeScript(1+ years) , Nodejs (1+ years)
Database Management System	MongoDB, MySQL, PostgreSQL.
Frameworks/Platforms	NodeJS (Express), ReactJS, NextJS, Redis, Redux, React Native, WebSocket, MQTT, TailwindCSS, Bootstrap, .NET.
Version Control	GIT, JIRA
Other tools	JIRA, Postman, Swagger, Figma
Experience	Experience in designing and implementing RESTful APIs, familiar with Agile/Scrum development methodologies. © topcv.vn
