

## VŨ TUẤN ANH

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## SUMMARY

Frontend Developer and Project Manager with over 5 years of experience in developing web applications using technologies such as React, Vue.js, and Next.js. Experienced in Web3, Blockchain, and dApps. Proficient in project management with the ability to lead teams, manage time and resources effectively. Experienced with various frameworks and extensions, as well as React Native for mobile app development. Seeking opportunities to engage in exciting and challenging projects ☺

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## WORK EXPERIENCE

### AIBB Company

Senior Frontend Developer / Project Manager (06/2021 - Present)

- Led a team of 8 members, ensuring projects were completed on time and met quality requirements.
- Developed and maintained complex web applications using React and Next.js.
- Optimized application performance, reduced page load times, and improved user experience.
- Mentored and trained junior and mid-level frontend developers.
- Managed projects from planning, execution to review and feedback.
- Developed and deployed decentralized applications (dApps) integrated with Blockchain.
- Collaborated with the backend team to devise solutions and data flow through Restful APIs.
- Worked with frameworks and extensions to extend application features.
- Used component libraries like [ANT-Design, Bootstrap, Shadcn-ui...] to build user interfaces.
- Integrated RTK Query for state management and data fetching.
- Executed SEO and marketing campaigns to enhance website efficiency.
- Used Google Tag Manager and Google Analytics to track and analyze website performance.

## **Yunero Company**

Frontend Developer (01/2020 - 05/2021)

- Built user interfaces for web applications using NextJS.
- Designed and implemented reusable UI components.
- Contributed to the UX/UI design process, creating wireframes and prototypes.
- Participated in Agile meetings, provided input, and implemented continuous improvements.
- Developed high-performance single-page applications (SPA).
- Worked with blockchain technologies like Ethereum, Solidity, and Web3.js.
- Managed and guided the frontend development team, assigned tasks, and evaluated performance.
- Developed mobile applications using React Native, optimized for both iOS and Android platforms.
- Used ClickUp and GitLab for project management and issue tracking.
- Implemented SEO strategies to improve website search rankings.

## **Fabbi JSC Company**

Junior Frontend Developer (01/2018 - 12/2019)

- Developed static and dynamic web pages using HTML, CSS, and JavaScript.
- Integrated RESTful APIs to display dynamic data on the website.
- Participated in open-source projects and collaborated with development teams.
- Assisted in testing and debugging existing web applications.

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## **EDUCATION**

### **Military Technical Academy (MTA)**

- Major subjects: Web Development, Database Systems, Software Development, User Interface Design.

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## **SKILLS**

- **HTML, CSS, JavaScript:** Proficient in foundational technologies
- **Frameworks and Libraries:** Skilled in using frameworks like React [Next.js (Version 14.x) Using App Router], Vue.js with specific modules and performance techniques:
  - **Authentication Module:** Built login, registration, session management, user authentication systems using methods like JWT.

- **Authorization Module:** Role-based access control (RBAC) for different user roles (admin, user, guest).
- **Data Fetching Module:** Used libraries like SWR, React Query, or RTK Query for optimizing data fetching from APIs, caching, and handling loading states.
- **Routing Module:** Managed navigation and routing within applications using React Router or other routing libraries.
- **State Management Module:** Managed application state effectively using Zustand, Redux, or React Context API.
- **Image Optimization:** Used next/image for optimizing images with features like lazy loading, responsive images, and image formats.
- **Server-side Rendering (SSR):** Rendered web pages on the server to improve SEO and initial load speed.
- **Static Site Generation (SSG):** Created static pages for infrequently changing content to enhance load speed.
- **Caching:** Implemented various caching techniques to store data and reduce server requests.
- **Component Architecture:**
  - Created highly reusable components using techniques like Higher-Order Components (HOCs), Render Props, Hooks.
  - Divided components following the Single Responsibility Principle for easier maintenance and extension.
- **Performance Optimization:**
  - Limited unnecessary re-rendering using React.memo.
  - Applied code splitting to reduce bundle size and improve load speed.
  - Optimized Context API usage to avoid unnecessary re-renders for child components.
  - Used useMemo and useCallback to cache computed results and functions.
- **Tools and Technologies:** Git, Webpack, Babel, Docker, Web3.js, Ethers.js.
- **UI/UX:** HTML5, CSS3, SASS, LESS, Tailwind CSS, Bootstrap, Ant Design, shaden-ui.
- **Blockchain:** Ethereum, Smart Contracts, Hardhat, MetaMask.
- **State Management:** Redux (Redux Toolkit), MobX, Zustand, React Context API, Hooks:
  - Proficient in managing application state using Redux, MobX, RTK Query.
  - Simplified writing Redux code using Redux Toolkit.
  - Organized Redux code scientifically using design patterns like Ducks pattern.
- **Methodologies:** Agile, Scrum.
- **Project Management:** Jira, Trello, Microsoft Project, ClickUp, GitLab.
- **SEO and Marketing:** Google Tag Manager, Google Analytics, Website SEO.
- **Project and Team Management:**
  - Led development teams, assigned tasks, and monitored progress.

- Ensured effective communication between team members and related departments.
  - Evaluated and improved software development processes.
- **Frameworks and Extensions:** Extended application features by working with various frameworks and extensions.
- **Core JavaScript Skills:**
  - Asynchronous Programming: Used Promises, Async/Await.
  - Functional Programming: Higher-order functions, Closures.
  - Performance Optimization: Debouncing, Throttling, Memoization.
  - Security: XSS, CSRF, Content Security Policy.
- **AI Coding Assistants:** GitHub Copilot, Tab Nine, IntelliCode, Codeium.
- **AI Prediction and Debugging:** DeepCode, Codacy.
- **Integration and Automation:** Deployed CI/CD solutions to automate build and deploy processes.
- **Search Skills:** Used GPT-4 to search and analyze information effectively.
- **Self-learning and Updating Skills:**
  - Continuous Learning: Enthusiastic about learning continuously, updating with new technologies and trends.
  - Adaptability: Quickly adaptable to new technologies and processes.
- **Backend Knowledge:** Basic knowledge and experience in using NodeJS to build RESTful APIs. Used Express and experienced with MongoDB.
  - **Backend Fundamentals:** Understanding of backend concepts such as server-side rendering, RESTful APIs, HTTP methods (GET, POST, PUT, DELETE...), databases, authentication, and authorization.
  - **Request Handling:** Proficient in handling HTTP requests from clients, validating data, interacting with the database, and returning responses to clients.
  - **Database:** Experienced with DBMS like MongoDB, MySQL. Skilled in designing schemas, querying data, and optimizing database performance.
  - **Authentication & Authorization:** Implemented user authentication methods (e.g., JWT) and API access control.

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## PROJECTS

**Statistr** Role: Lead Frontend Developer Description: Statistr is a platform providing reliable information and data, focusing on building, developing, and storing data with the highest level of transparency. Technologies Used: React, Redux, Next.js, Ant Design.

- **Data Management Module:** Built interfaces for displaying data in charts, tables, allowing users to filter, sort, and download data.
- **Data Analysis Module:** Developed features for data analysis, including calculating statistical metrics, creating reports, and data visualization.
- **User Module:** Built a user registration, login, profile management, and data access control system.
- **API Module:** Integrated with external APIs to fetch data and extend platform functionality.

**Social Network Project** Role: Senior Frontend Developer Description: Developed a social network with highly interactive features such as chat, notifications, and post sharing. Technologies Used: TypeScript, SCSS, WebSocket, Jasmine.

- **Messaging Module:** Built a real-time chat system using WebSocket, allowing users to send text messages, images, and videos.
- **Notification Module:** Developed a real-time notification system, displaying notifications for new events such as messages, friend requests, comments.
- **Newsfeed Module:** Designed and developed a newsfeed displaying friends' posts, allowing users to interact (like, comment, share...).
- **Friend Management Module:** Built a search function, sent friend requests, accepted/rejected friend requests.

**Decentralized Finance (DeFi) Platform** Role: Senior Frontend Developer Description: Developed a decentralized finance platform with features like lending, borrowing, and staking. Integrated with smart contracts and blockchain wallets like MetaMask. Technologies Used: React, Web3, ethersJS, Solidity, Hardhat, MetaMask.

- **Lending/Borrowing Module:** Developed user interfaces for performing cryptocurrency lending and borrowing transactions.
- **Staking Module:** Built a staking interface allowing users to deposit cryptocurrency and earn rewards.
- **Wallet Management Module:** Integrated with MetaMask and other blockchain wallets to enable users to connect and manage digital assets.
- **NFT Minting Module:** Built a user interface for minting NFTs on the blockchain platform.
  - **Wallet Integration:** Enabled users to connect wallets for NFT-related transactions, including minting, transferring, buying, selling.
  - **Metadata Management:** Supported users in creating and managing NFT metadata (e.g., name, description, image, attributes).

**Mobile Application** Role: Frontend Developer Description: Developed a mobile application using React Native for both iOS and Android platforms, optimized for performance and user experience. Technologies Used: React Native, Redux, TypeScript, Firebase.

- **User Authentication:** Used Firebase Authentication for user management.
  - **Push Notifications:** Integrated with Firebase Cloud Messaging to send push notifications.
  - **Real-time Chat:** Integrated services like Firebase Realtime Database or Firestore to build a real-time chat system.
  - **Performance Techniques:**
    - **Code Splitting:** Optimized the application by splitting code with React.lazy.
    - **Memoization:** Used useMemo to optimize component rendering.
    - **Throttling/Debouncing:** Optimized user events with lodash debounce and throttle.
    - **Lazy Loading:** Used React.lazy and Suspense to load components on demand.
    - **Performance Monitoring:** Used tools like Firebase Performance Monitoring to track application performance.
    - **Image Optimization:** Applied image optimization techniques to reduce size and load time.
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## LANGUAGES

- **Vietnamese:** Native
  - **English:** Reading comprehension
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## HOBBIES

- Reading books.
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