

Ho Viet Vinh

Fullstack Developer

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Objective

Enthusiastic about Full-Stack developer, I am seeking a Full-Stack position to apply my knowledge in practical environment. I'm passionate about writing efficient code and excited to learn from industry experts while contributing to impactful software projects.

Education

Bachelor of Science in Software Engineering (Taught in English)

2022 – 2026

Hanoi University, Hanoi

Skills

- **Languages:** JavaScript, TypeScript
- **Libraries & Frameworks:** ReactJS, NextJS, NodeJS, ExpressJS, TailwindCSS
- **Cloud & DevOps:** AWS, Terraform, GitHub Actions, Jenkins, Solace (Messaging)
- **Tools & Practices:** Git, OOP, Swagger, Agile, Event-driven Architecture
- **Soft Skills:** Problem-solving, Teamwork, Adaptability, Time Management

Achievements

- **English Level:** B1 at ESPD (Hanu), proficient in Reading, Writing, Listening, and Speaking
- **National Awards:**
 - Third Prize, Science and Technology Award for students in higher education institutions, Ministry of Education and Training (2025).
 - Third Prize, Vietnam Fund for Supporting Technological Innovation (VIFOTEC) for outstanding scientific research (2025).
- **University Awards:**
 - Second Prize, University-level Scientific Research Competition, Hanoi University (2025).
 - Awarded Academic Achievement Scholarship for outstanding performance, Hanoi University (2024–2025, 2025–2026).

Experiences

VTI Group

Hanoi, Vietnam
July 2025 – Now

Keppel

- Updated the Python MCP server to enable other services (e.g., LiteLLM) to connect via an HTTP-based transport.
- Built CI/CD pipelines and Terraform to deploy an MCP server to AWS EKS with Secrets Store CSI Driver for secure secret injection from AWS SSM.
- Designed scalable microservices architecture with path-based routing using AWS ALB Ingress Controller, allowing multiple MCP services to share a single load balancer under different paths.
- Separated infrastructure provisioning (Terraform) from application deployment (Kubernetes manifests + GitHub Actions), enabling independent service deployments without affecting shared infrastructure.
- Role: Software Engineer
- Infrastructure/Cloud: AWS (EKS, Secrets Manager, ALB, ECR), Terraform, Docker, Kubernetes, Helm.
- DevOps: CI/CD (GitHub Actions), GitOps, Secret Management (CSI Driver).

VTI GroupHanoi, Vietnam
Apr 2025 – Now**One Alert Sembcorp**

- Developed a specialized App integrated within a corporate Super App to streamline internal approval workflows for various departments.
- Designed and implemented user interfaces for managing complex requests, task assignments, report, and status tracking.
- Developed a library of reusable common components (Image Upload with validation, Lazy-load, Preview, Versioning, and Popup Confirm) to ensure UI/UX consistency and accelerate development speed.
- Collaborated with Backend teams to integrate authorization APIs, ensuring that the UI dynamically adapts based on assigned user roles and permissions.
- Role: Front-end Developer
- Tech Stack: HTML, CSS, JavaScript

VTI GroupHanoi, Vietnam
Jan 2025 – Apr 2025**PEB Portal (Singapore Government Agency Website)**

- Contributed to a high-traffic government platform for Singaporean engineers to manage FEE, PE, and LA applications.
- Maintained system stability by refactoring legacy jQuery code and resolving over 50+ critical front-end bugs.
- Improved code quality and security by resolving SonarQube issues, specifically addressing vulnerabilities to prevent XSS and CSRF attacks.
- Collaborated closely with BAs and Backend developers to analyze client requirements and implement a new “change request” feature, allowing users to modify submitted applications seamlessly.
- *Role:Front-end Developer*
- *Tech Stack: HTML, CSS, JavaScript (jQuery)*

Personal Projects**Highlights of Vietnam – A Modern Travel Experience Platform**[Link](#)

- Developed a full-stack hotel booking application using ReactJS (frontend) and NodeJS (backend), ensuring a seamless user experience and efficient backend management.
- Implemented robust authentication and authorization mechanisms with Google.
- Developed a dynamic pricing feature that enables the admin to adjust room prices for specific days or a range of dates, providing flexibility in pricing management.
- Integrated PayPal payment gateway for secure and efficient transaction processing, enhancing the payment experience for users.
- Used Nodemailer for order confirmation and email verification during account registration, ensuring smooth communication with users.

Tech Stack: ExpressJS, ReactJS, MongoDB, Redux, TailwindCSS**Problem Solved:**

- Managing hotel bookings and pricing effectively without a flexible system can lead to inefficiencies and errors in price management and availability.
- This project addresses the challenge by providing a comprehensive platform where admins can easily manage room pricing for specific dates, streamline the booking process, and ensure secure transactions, improving both operational efficiency and user satisfaction.

Simple E-commerce - Application[Link](#)

- Developed a full-stack e-commerce platform using ReactJS (frontend) and NodeJS (backend), ensuring a seamless user experience for both admins and customers.
- Implemented a role-based access control system for managing admin accounts. This feature enables control over user roles and their associated permissions for product and category management.

- Developed a dynamic product categorization feature with a tree structure, where categories like "Android", "Apple", and "Mobile Phones" are organized hierarchically, enabling easier navigation and filtering for both admins and customers.
- Integrated advanced search and filter functionalities, allowing customers to search products by name, category, and other attributes for a more personalized shopping experience.
- Enabled a product recovery feature, allowing admins to restore deleted products, ensuring that no valuable data is lost in case of accidental deletion.
- Managed the product image upload system for easy handling and display of product images, enhancing the visual appeal of the store.

Tech Stack: ExpressJS, ReactJS, MongoDB, Redux

Problem Solved:

- Lack of structured permissions can lead to security risks. The role-based access control system ensures only authorized users can manage sensitive features like product categories and user accounts.
- Disorganized product categories can confuse both admins and customers. The hierarchical category structure simplifies product management and browsing.