

VO CHI CUONG

Intern IT Support

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EDUCATION

Van Hien University

2022 - Present

Faculty: Information Technology.

Major: Information Security.

Core Courses: Web Programming (8.9), Computer Network Security (8.7), Application Security (8.0).

PRACTICAL PROJECT EXPERIENCE

HIGH AVAILABILITY (HA) NETWORK SYSTEM

01/2026 – 05/2026

Network & System Administrator

Github: <https://github.com/vochicuongg/pfsense-ha-architecture>

- Designed and deployed a High Availability (Active-Standby) network architecture segmented into 4 security zones (WAN, LAN, SYNC, Firewall), adhering to CIA triad standards and the AAA framework.
- Implemented the CARP protocol to establish Virtual IPs (VIP) for automatic failover, optimizing the Recovery Time Objective (RTO) to under 1 second without connection disruption.
- Configured real-time data synchronization (pfsync) and system settings (XMLRPC) via an independent SYNC channel encrypted with AES-256.
- Integrated Honey Files trap solutions and a risk scoring system for the early detection of unauthorized access.
- Tested and directly resolved Split-brain, MAC Flapping, and firewall rule conflicts using Packet Capture and Firewall Logs.

**NGOC MUOI MOTORCYCLE BOOKING SYSTEM
(WEB APPLICATION)**

01/2026 – Present

QA Tester & Developer

Github: <https://github.com/vochicuongg/xemayngocmuoi-official>

Live Demo: <https://xemayngocmuoi.com>

- Designed and executed over 50 test cases for booking and payment workflows, ensuring 100% input data integrity via Black-box testing.
- Adopted Vibe Coding methodologies, collaborating dynamically with AI assistants (ChatGPT, GitHub Copilot) to accelerate feature development, analyze system requirements, and prototype interfaces.
- Optimized performance using Lighthouse and Chrome DevTools, reducing page load size by 20% through WebP format conversion, directly saving 2MB of bandwidth per session.
- Conducted Responsive Testing across multiple devices (Mobile/Tablet/PC), ensuring 100% interface consistency on major browsers (Chrome, Safari, Edge).

PROFESSIONAL SKILLS

- **AI-Assisted Development:** Proficient in AI prompting, engineering control, and code validation utilizing LLMs (Claude Code CLI, Antigravity, Codex) to augment software engineering workflows and maintain code oversight.

- **Software Testing:** Black-box, UI/UX, API, Database, Regression, Integration Testing, Boundary Value Analysis.
- **Tools & Automation:** Postman, Chrome DevTools, Lighthouse, Selenium (Basic), Puppeteer, Git/GitHub.
- **Technologies & Languages:** Java, Kotlin, Node.js, JavaScript, SQL (SQLite, MySQL), Firebase, HTML/CSS.
- **Processes:** SDLC (Agile/Scrum), STLC, Test Case Documentation, Bug Reporting & Tracking.

CERTIFICATIONS & ACTIVITIES

Foreign Languages: English (Currently pursuing a TOEIC study path).

Active Member of VHU Programming Club: Assisted in organizing security and software testing workshops for junior students.

REFERENCES

Pham Thanh Dat – Lecturer at Van Hien University

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