

HAI NGUYEN VU

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Automation Test Engineer with a solid Full-stack programming foundation (Java, Spring Boot, Next.js). Designing and optimizing complex automation frameworks for Web, API, and Mobile platforms. Aiming to apply a "Shift-left Testing" mindset to detect defects early, build comprehensive automated testing systems, and enhance overall product quality.

WORK EXPERIENCE

Internship

Nov 2025 - Jan 2026

AUTOMATION LAND

35 Hoang Sa Street, Saigon Ward, Ho Chi Minh City

Projects: NFC Business Card Platform (Web) & Real Estate Exam Prep (Mobile App)

- **Analysis & Design:** Analyzed High-Level Requirements (SRS) to design comprehensive Test Scenarios and Test Cases for both Web and Mobile platforms.
- **Multi-platform UI/UX Testing:** Validated responsiveness and UX on Web modules (Landing Page, Dashboard, Card Editor) and Mobile Flutter components (Topic Cards, smooth scrolling, Quiz UI).
- **Automation Setup:** Established and configured automated testing environments utilizing Selenium for Web and Appium for Mobile applications.
- **Defect Management:** Monitored system logs, reported detailed UI/UX defects, and collaborated with Developers to perform Retesting following bug resolutions.

EDUCATION

Bachelor's Information Technology

Jan 2021 - Present

Posts and Telecommunications Institute of Technology, Ho Chi Minh City

GPA: 7.15

- Status: Completed all major-related coursework
- Expected Graduation: Pending final English certification
- Availability: Ready for immediate, full-time employment

SKILLS

Automation Tools: Selenium WebDriver, RestAssured, Appium, TestNG, Allure Report, Postman.

Testing Methodologies: SDLC/STLC, Manual Testing, API Testing, UI/UX Testing

Languages & Tech: Java, Node.js, SQL, NoSQL.

Infrastructure/Tools: GitHub, Docker

PROJECTS

Java Test Automation Frameworks Suite [↗](#)

Nov 2025 - Feb 2026

Role: Test Automation Architect

Key Accomplishments:

- **Framework Architecture:** Designed and developed three independent automated testing frameworks from scratch for Web (Selenium), API (RestAssured), and Mobile (Appium) using Java 17 and Maven.
- **Advanced Patterns:** Applied Page Object Model (POM) and Factory Pattern to increase code reusability by 40% and ensure easy script maintenance.
- **Performance Optimization:** Implemented ThreadLocal to enable Parallel Execution, significantly reducing the test suite execution time.
- **Reporting & Analytics:** Integrated Allure Report and Log4j2 to automatically provide detailed execution reports and failure screenshots, shortening debugging time.

Random User Management (E2E Quality Ownership) [↗](#)

Dec 2025 - Jan 2026

Role: Quality Assurance Engineer (E2E Specialist)

Key Accomplishments:

- **Hybrid Testing Strategy:** Flexibly combined manual testing (40% exploratory) and automation (60% regression) to ensure absolute reliability for core CRUD flows.
- **Multi-layer Validation:** Directly executed a comprehensive test suite including 12 UI scenarios, 17 API scenarios, and 5 Database scenarios (utilizing JDBC to verify data integrity).
- **Security & Edge Cases:** Designed specific test cases for SQL Injection, pagination boundaries, and third-party API connection failures.

System Microservices Page Socials [↗](#)

Jun 2025 - Aug 2025

Role: Quality-minded Backend Developer

QA Focus:

- **Integration Testing:** Performed integration testing for complex Microservices systems, ensuring accurate data flow through API Gateway and Kafka.
- **Asynchronous Flow Validation:** Validated the accuracy of asynchronous processing flows (Notifications/Messaging) in a distributed environment.
- **Root Cause Analysis:** Utilized Graylog and centralized logging systems for bug tracking and Root Cause Analysis (RCA) of system incidents.

CERTIFICATIONS

TOEIC 450 by IIG VIET NAM

Sep 2025

LANGUAGES

English: Intermediate (Reading & Writing technical documents)