



NGUYEN VAN SANG

QA AUTOMATION ENGINEER

CONTACT

 06 Jan 2004

 +84 385 345 842

 nvs151224@gmail.com

 github.com/nvs15122k4

 [linkedin.com/in/qu%C3%A2n-nguy%E1%BB%85n-h%E1%BB%93ng-121997213/](https://www.linkedin.com/in/qu%C3%A2n-nguy%E1%BB%85n-h%E1%BB%93ng-121997213/)

SUMMARY

Recent Software Engineering graduate with a strong interest in Quality Assurance and Test Automation. Hands-on experience in designing, developing, and maintaining automated end-to-end test scripts using Playwright, as well as API testing with Postman. Familiar with software testing methodologies, test case design, bug reporting, and Agile/Scrum development processes. Proficient in JavaScript, TypeScript, PHP, Java, Git, MySQL, and Linux. Passionate about improving software quality through automation, continuous learning, and delivering reliable, maintainable testing solutions in collaborative development environments.

SKILL

Backend: PHP, Laravel, MySQL, Postgres, REST API, MVC **Frontend:** HTML, CSS, Bootstrap 5, Javascript, JQuery

Testing: Playwright automation, Manual testing, Bug Reporting

Software Engineering: OOP, SRP & DIP

EXPERIENCE

Intern QA Automation Engineer | 01 April - 30 June

Hoang Khang Incotech

- Developed and maintained over 20 Playwright end-to-end (E2E) automated test suites covering CRM integration, task management, workflow automation, and approval processes.
- Designed advanced automation scenarios to validate system scalability and robustness, including API-based mass data generation (e.g., creating 1,000+ tasks), complex test environment preparation, and concurrent real-time notification and pop-up validation.
- Validated role-based access control (RBAC) and complex authorization rules by automating test scenarios for department managers, folder-level permissions, and cross-module data propagation.
- Implemented reliable UI automation for complex user interactions, including advanced filtering, task pinning, notification workflows, leave management, and time tracking, using optimized locator strategies to improve test stability and reduce flakiness.
- Performed API, functional, regression, smoke, and end-to-end testing using Playwright and Postman to validate application quality and backend integration.
- Identified, documented, and tracked software defects, collaborating closely with developers to reproduce issues, verify fixes, and improve overall software quality.
- Participated in Agile/Scrum development processes, including sprint planning, daily stand-ups, sprint reviews, and feature validation.
- Managed test source code with Git and executed automation test suites in Linux-based development environments.

PHP 8.2, Laravel 10 MVC, MySQL, Linux (Ubuntu), Nginx, HTML, CSS, Bootstrap, JavaScript, jQuery, Playwright, TypeScript.

PROJECT

HKSpace | May 2026 - June 2026

Associated with Hoang Khang Incotech

ERP platform deployed as a SaaS solution for internal operations of Hoang Khang Incotech and potential enterprise clients. The system is delivered as a web application with SPA frontend and RESTful backend architecture.

- Performed end-to-end quality assurance for HKSpace, a Laravel 12 (MVC) team-collaboration platform with real-time features (Reverb/Echo) on a two-server Nginx/PHP-FPM architecture.
- Authored structured bug reports spanning routing, UI/UX, timezone/datetime handling, validation, complex automation workflows, and real-time data propagation.
- Designed and hand-wrote 20+ Playwright end-to-end test scripts (including CRM data integration, concurrent real-time pop-up tasks, role-based folder permissions, and mass data generation via API) to verify system robustness and specific defects.
- Applied robust Playwright techniques — role/attribute and scoped locators, auto-waiting assertions, and dynamic test data — to minimize test flakiness across complex environment setups.
- Investigated defects at the data layer with MySQL and Laravel Tinker (JOINS, indexing/EXPLAIN, recursive CTEs over a closure-table folder/task hierarchy).
- Validated fixes across multiple environments (staging, testing, production) and tracked test cases directly in the company's task-management system.

PHP 8.2, Laravel 10 MVC, MySQL, Linux (Ubuntu), Nginx, HTML, CSS, Bootstrap, JavaScript, jQuery, Playwright, TypeScript.

Fashion E-commerce | Apr 2026 - June 2026

Laravel web application for a fashion e-commerce store with a full shopping workflow, comprehensive admin area, and automated testing.

- Basic features: create, update, delete, and search/filter products, categories, and manage users.
- Advanced features: Smart size suggestion based on user's height, weight, and BMI.
- Full shopping workflow: cart management, checkout, order tracking, cancel/refund requests, and product reviews.
- Admin functionalities: inventory management (import/export), promotions, audit logs, and Excel report generation.
- Quality Assurance: Implemented automated test coverage including PHPUnit (Unit & Feature tests) for backend logic and Playwright for End-to-End (E2E) testing of critical UI workflows (Authentication, Cart operations, and Admin dashboard).

A comprehensive fashion e-commerce system built with Laravel MVC that handles end-to-end purchasing flows and advanced inventory management. It integrates personalized size recommendations, Cloudinary image storage, and robust automated testing to ensure a highly reliable shopping experience.

PHP 8.3, Laravel 13 MVC, MySQL, Tailwind CSS, Alpine.js, Blade, Vite, Docker, Cloudinary, PHPUnit, Playwright, TypeScript.

Github: github.com/nvs15122k4/BanHang

Scam Detection Platform (Checkscam) | Feb 2025 - Apr 2025

Django-based scam reporting platform with AI-powered scam alert generation.

- Developed reporting, moderation, and user management features.
- Built RESTful APIs with Django REST Framework and integrated Google Gemini AI for automated scam news generation.
- Tested APIs using Postman and managed data with MySQL.

Python, Django, Django REST Framework, Gemini AI, MySQL, Postman.

Github: github.com/nvs15122k4/checkscams

EDUCATION

Ho Chi Minh University of Natural Resources and Environment | HCMUNRE

Major: Information Technology

Oct 2022 – Present

LANGUAGES

English: Intermediate reading and listening, basic speaking

Vietnamese: Native