KELLY HIAN LUA

QA Automation & AI Engineer | Test Automation | AI Integrations | Remote-Ready
Manila, Philippines
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PROFESSIONAL SUMMARY

QA Automation & AI Engineer with 8 years of experience across quality assurance and software development since 2018. Skilled in manual and automated testing (Playwright, Cypress, Selenium), API validation, and release readiness. Builds AI-powered production systems, including the Invrise SaaS platform and MyTravelPeace, with Gemini LLM integrations and AI chat and voice assistants.

CORE SKILLS

QA & Testing: Manual Testing • Regression Testing • API Testing • Test Case Design • Test Planning • Web Testing • Bug Tracking • QA Documentation • QA Reporting • Software Validation

Automation & Development: Playwright • Cypress • Selenium • Python • Web Scraping • Next.js • SaaS Development • Debugging

AI & Workflow: AI/LLM Integrations (Gemini) • AI Chat & Voice Assistants • SDLC • Agile Workflow

PROFESSIONAL EXPERIENCE

Freelance Developer & QA Engineer — MyTravelPeace (Jul 2026 – Nov 2026)

- Built a travel discovery website showcasing upcoming events around the world, powered by AI-scraped world event data
- Integrated Gemini AI to discover interesting places based on each user's mood
- Implemented an AI-powered chat assistant and voice assistant for site users
- Built an automatic itinerary generation feature, now in testing with the MyTravelPeace team
- Served as both developer and QA engineer, starting as one of two developers on a team that has grown to at least five

Software Engineer & QA Automation Engineer — Invrise (Feb 2026 – Oct 2026; currently Freelance Consultant)

- Built Invrise for the employer as an internal inventory system, then expanded it into a marketed SaaS product
- Implemented scheduling and technician (field employee) tracking features
- Developed AI automations, including an in-app AI assistant that answers questions such as which clients are unpaid, not yet managed, or still have open requests
- Handed the product over to the CEO and continue to support Invrise as a freelance consultant

Quality Assurance Engineer — Chartmetric (Apr 2022 – Jun 2026)

- Executed manual and simulation testing for web applications and APIs

- Validated API responses, limits, and data accuracy using structured testing methods
- Collaborated with developers to troubleshoot defects and improve system stability
- Verified releases prior to deployment to ensure production readiness

Quality Assurance / Junior Product Manager — PLDT (Nov 2019 – Dec 2021)

- Conducted manual testing across multiple software modules
- Monitored project timelines, milestones, and QA deliverables
- Prepared reports, technical documentation, and test summaries
- Identified defects and tracked issues through resolution lifecycle
- Created user manuals and system guides

Software QA / Web Developer — Silicon Valley (Aug 2018 – Oct 2019)

- Developed web-based payroll system using PHP
- Performed manual and automated testing using Selenium
- Validated UI behavior, functionality, and performance

PROJECTS & TECHNICAL EXPERIENCE

- Built a live Playwright-based website audit tool for the portfolio site (kellyhianlua.com), running in isolated cloud sandboxes with AI-generated test plans, cost caps, and 1,446 automated tests
- Developed automated Python scripts for data crawling, API testing, and scheduled execution
- Built and maintained automation test suites using Cypress
- Implemented API limit validation testing scripts
- Created programs using C++, Java, C#, Assembly, and COBOL
- Developed strategy board game (Games of Generals) in C#
- Built database-driven pawnshop system
- Created Android Color Helper using OpenCV
- Built Android facial recognition system using OpenCV

EDUCATION

Bachelor of Science in Computer Science — FEU Institute of Technology (2014–2018)

CERTIFICATIONS & AWARDS

- CCNA Routing and Switching: Introduction to Networks (2017)
- CCNA Routing and Switching: Routing and Switching Essentials (2017)
- Ignite Software Showcasing Conference (2017)
- Research Conference on Emerging IT Trends in Asia & Pacific (2017)
- Techno Fest: Student Choice Award (2017)

ADDITIONAL INFORMATION

Available for remote QA automation and AI engineering roles. Experienced working with distributed teams.