

HENDRA RIZAL GUNAWAN

Software Development Engineer in Test (SDET)

5 Years Experience | Jawa Barat, Indonesia

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PROFILE SUMMARY

SDET with 5 years of experience in software quality assurance and test automation across fintech, banking, and logistics domains. Skilled in designing and building scalable automation frameworks for web, mobile, API, and desktop platforms. Experienced in Agile and Scrum environments, with a strong focus on continuous improvement and integrating AI into modern QA workflows. Adaptable, detail-oriented, and able to quickly understand new products and platforms under pressure.

WORK EXPERIENCE

SDET · Lion Parcel (under MSBU)

October 2025 – Present | Project: Genesis & Liberta — Integrated Logistics & Shipment Management System

Features: Booking and Configuration

- Refactored Robot Framework.
- Migration of automation scripts from Robot Framework to Playwright using AI assistance — including designing prompt strategies and AI workflows
- Researched and built AI workflow for automation: designed skill roles, command structures, and context management rules as the team's new standard
- Created new automation scripts for web, API, and mobile testing
- Database testing, API testing, regression testing, and tech debt handling
- Weekly cross-functional collaboration

Key Achievement:

- ✓ Raised regression success rate 60% → 90% through systematic Robot Framework refactoring
- ✓ Pioneered AI-assisted Robot → Playwright migration with self-designed workflow, skill roles, and command structure

QA Automation Engineer · Bank BRI (under Talent Tech)

May 2024 – September 2025 | Project: Ocean — Issuing

Features: Onboarding Card & Client, Transaction, Data Limit, Maintenance, Reports

- Built N2N and API automation scripts using Katalon Studio with Cucumber BDD
- Conducted SIT and supported UAT across all feature modules
- Sanity testing each sprint and automation code maintenance
- Database validation using DBeaver, API testing using Postman
- Android mobile testing, web and desktop testing
- Active in DSU, sprint planning, review, and retrospective

Key Achievement:

- ✓ Delivered full N2N automation coverage for a legacy desktop app with no element selectors — using RPA approach as a creative solution where conventional automation was not feasible

SQA Engineer · Asset Data Solution Sdn Bhd

January 2022 – September 2024 | Project: Management Asset — Asset Management System

Features: Asset Data, Inventory, Helpdesk, Insurance Claim

- Built the company's first automation framework entirely from scratch using Selenium, Appium, and Rest-Assured
- Created all test plans, test cases, and test scenarios for all modules from zero
- Executed smoke, integration, acceptance, and regression testing each sprint
- Performance testing using K6 to measure system scalability under load
- Cross-platform mobile testing (Android & iOS), and web testing
- Database testing using DBeaver, API testing using Postman
- Bug documentation and reporting in Jira

Key Achievement:

- ✓ Built the company's entire QA automation practice from zero — establishing the framework that the team relied on throughout the project lifecycle

TECHNICAL SKILLS

Automation

Playwright · Selenium · Appium · Katalon Studio · Cypress · Robot Framework

BDD

Cucumber (integrated with Playwright, Selenium, Appium, Cypress, Katalon)

Performance

K6 · JMeter

API Testing

Postman · Rest-Assured · cURL

Languages

JavaScript (JS) · TypeScript (TS) · Java · Python

Database

SQL · DBeaver

DevOps / CI-CD

Git · Jenkins · GitHub Actions · Pipeline

AI Tools

Prompt Engineering · AI-driven test generation · AI workflow design · Skill role & command structure

Testing Types

Functional · Regression · Smoke · Integration · UAT · Performance · Load · API · Mobile · Desktop · Security (Basic)

Project Tools

Jira · Agile / Scrum · Kanban · Sprint

EDUCATION

S1 — Information System

Universitas BSI Bandung | 2019

D3 — Informatics Management

Universitas BSI Tasikmalaya | 2017

CERTIFICATIONS

- Test Automation with Katalon Studio (Selenium WebDriver) — Udemy
- Cypress with Cucumber BDD Automation Testing Bootcamp — Udemy
- Appium — Mobile Testing Android/iOS — Udemy
- Playwright JS/TS Automation Testing from Scratch & Framework — Udemy