Indra Bayu Sudirman

South Tangerang, Banten | indra.indrabayu@gmail.com | +6289636002345 | LinkedIn | Github | Personal Blog

Summary

Dedicated and skilled Software Development Engineer in Test (SDET), QA Automation with over 2 years of extensive experience in automation testing, CI/CD integration, and test framework development. Proficient in Java, Selenium, Appium, Typescript, Cypress, Cucumber, WebDriverIO, Playwright and various CI/CD tools. Committed to ensuring the highest quality of software products through rigorous testing and continuous improvement.

Professional Experiences

Hijra - QA Manual & Automation   Sept 2024 – Feb 2025
PIC : Wahidyan Kresna Fridayoka, Engineering Manager at Hijra Bank, LinkedIn

Hijra Bank was introduced in 2021 and is owned by Alami Group, a financial technology peer-to-peer (P2P) lending company. Hijra is one of the leading Islamic challenger banks in Southeast Asia, having disbursed more than $350m to more than 5,000 small businesses in Indonesia.

Responsibilities :
- Create & maintain test cases to improve system stability & robustness;
- Collaborate with related product and engineering team in improving tests coverage;
- Execute end-to-end test before deployment, and smoke test after deployment;
- Response to inquiries from other teams related to issues found in the production environment and help to identify & troubleshoot the issues;

Achievements :
- Automated repetitive test cases, reducing manual testing efforts and improving efficiency.
- Successfully implemented Playwright, Cypress, and WebDriverIO to enhance test automation.
- Contributed to the successful Core Banking Migration, reducing costs by 80%, from IDR 8 billion to only 20% of that annually.

Tech stack :
   Typescript, Playwright, Cypress, Cucumber Gherkin, Webdriver IO, Appium, Allure Report.

Koinworks - SDET (Software Development Engineer in Test)   May 2022 – August 2024
PIC : Christiono Hendrawan, Head of Engineering at KoinWorks, LinkedIn

KoinWorks was established in 2016 as a Peer-to-Peer Lending company. It is an Indonesian Series C-funded ($108mio raised) fintech company that provides both investment and liability products under a single platform.
- 2 Million+ Users already onboard towards achieving their business & financial dreams.
- 2,3 Trillion+ Total AUM (Asset Under Management) Koinworks Manages Currently.
- 29 Trillion+ Total Loans Granted Since Started at 2016

Responsibilities :
- Writing, execution and monitoring automated test suites using Java, Selenium, Appium, TestNG for iOS, Android, Web and APIs.
- Collaborated with QA Manual/QA Testers to define test cases, specifications, and acceptance criteria to ensure software quality.
- Debug failed test cases by analyzing reports, logs and API responses and report bugs with details. Follow-up on bugs to closure.
- Running Regression using CI/CD Pipeline Regularly.

Achievements :
- Initiated and implemented the first automation testing framework for all Koinworks services, including Mobile (Android & iOS), Web, and APIs, improving test efficiency and coverage.
- Developed automation scripts for regression testing, cutting manual QA effort and accelerating release cycles.

Tech stack :
   Java, Selenium, Appium, RestAssured, TestNG, Gitlab CI/CD, Github Actions

Education

University Indraprasta PGRI, Jakarta   July 2016 - August 2020
https://unindra.ac.id

Skills

Languages :   Java, Javascript, Go, Python, Typescript [1]
Technologies :   MySQL, Postgresql, Postman, Selenium, Appium, Maven, TestNG, RestAssured, Nightwatch JS, Grafana k6, Browserstack, JMeter, Lambdatest, Testrail, CI/CD GitLab, GitHub, GitHub Actions, Playwright, Cucumber Gherkin, Webdriver IO.

Certifications

Getting Started with Python   Sept 2024
certificate.

Page Object Model pattern for Selenium WebDriver & Java   June 2023
certificate.

Scalable web service with Golang   May 2022
certificate.

Projects

Automation Framework Koinworks
Private Project : Automation framework for regression testing across Mobile (Android, iOS), Web, and APIs for all Koinworks' apps.
Tech Stack : Java, Maven, Selenium, Appium, RestAssured, TestNG, Browserstack, Lambdatest, Testrail, CI/CD GitLab, GitHub Actions.

Automation Framework Hijra Bank
Private Project: Automation framework for end-to-end testing, covering Mobile, APIs, Web, and databases.
Tech Stack : Typescript, Playwright, Cypress, Cucumber Gherkin, Webdriver IO, Appium, Allure Report.

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[1] The listed languages are my preferred ones, but I am neutral, very interested, and willing to learn other languages.