

Kevin Rhys Sadueste

SDET | Software Test Automation & Code Coverage | Agentic AI

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PROFESSIONAL SUMMARY

SDET and Software Engineer with 13+ years of progressive QA and test automation experience across banking, financial services, and fintech. At Visa Worldwide, progressed from Senior Software Test Engineer to Software Engineer – Sr. Consultant, architecting VTAF, a unified test automation framework covering UI, REST, and SOAP layers within a Java/JVM and Python microservices-based global payments dispute resolution platform. Brought AI into the team's testing workflow by integrating GenAI/LLM tooling into CI/CD pipelines (Jenkins, GitHub Actions) for automated root-cause triage and coverage gap detection. ISTQB Certified (Advanced Level, both streams), with Scrum Master experience leading and mentoring cross-functional teams of 7+.

PROFESSIONAL EXPERIENCE

Software Engineer – Sr. Consultant

Visa Worldwide Pte. Ltd. | February 2025 – Present | Singapore

- Extended VTAF with integrated AI agents connected via MCP to automatically fetch application logs and cross-reference source code, classifying failed tests as real bugs, script issues, bad data, or environment problems.
- Built agent skills (Markdown-based instruction files that double as a knowledge base) consolidating years of JIRA tickets, user stories, documentation, schemas, and historical execution logs to give the AI agent domain context for accurate diagnosis.
- Built a Microsoft Teams chatbot enabling team-wide, on-demand execution of regression suites and smoke tests, including custom test script runs directly from chat.
- Built a code coverage dashboard tracking test coverage across Java/JVM and Python microservices codebases.
- Worked with our Security team on SAST (Checkmarx) and SCA (Sonatype) findings, fixing flagged issues and building automation to test for them going forward.

Staff Software Test Engineer

Visa Worldwide Pte. Ltd. | August 2022 – February 2025 | Singapore

- Architected and maintained VTAF, a unified Java/TestNG/Cucumber BDD framework covering UI (Playwright/Selenium) and REST/SOAP API layers for a global payments dispute resolution platform.
- Built and maintained CI/CD pipeline workflows across Jenkins and GitHub Actions, supporting automated test execution and deployment gating.
- Served as Scrum Master for a cross-functional agile team of 7+, mentoring junior QA engineers and driving sprint delivery.

Senior Software Test Engineer

Visa Worldwide Pte. Ltd. | February 2019 – August 2022 | Singapore

- Maintained comprehensive BDD regression coverage across fraud disputes, pre-arbitration, pre-compliance, VDI score validation, RTSI endpoint regression, queues, and reporting flow.

Automation Engineer

Fluor Daniels Inc | October 2017 – February 2019

- Designed and delivered a hybrid automation framework unifying scripts across all projects using UFT.

Test Analyst / Automation Lead

Macquarie Philippines | December 2016 – October 2017

- Built a new automation framework using Ranorex, establishing team-wide automation standards and guidelines.

- Executed functional, performance, and regression testing on a desktop-based stock trading application in Agile methodology.

Quality Analyst – Automation

Citico Group of Companies | August 2015 – December 2016

- Built a test library architecture from scratch using UFT descriptive programming, maximizing reusability and maintainability across fund administration projects.

Quality Engineer

Misys Philippines (now Finastra) | June 2013 – August 2015

- Tested core banking web and desktop applications (functional, UI, API) within Agile teams.

CORE SKILLS AND TECHNOLOGIES

AI / Agentic Tooling

MCP (Model Context Protocol), Agent Skills, Claude Code, Codex, Copilot Studio, Power Automate

Test Frameworks

Cucumber BDD, Playwright (Java), Selenium (Java), TestNG, JUnit, UFT/QTP

API / Integration

REST (OkHttp, RestAssured, Postman), SOAP/WSDL

Languages

Java, Python, SQL, Linux, JVM, Kubernetes

Build and CI/CD

Maven, Jenkins, GitHub Actions, Git

Code Coverage

JaCoCo (Java), Slipcover (Python), SonarQube, GitHub Pages (Dashboard)

EDUCATION

Bachelor of Science in Computer Science

University of the Philippines

CERTIFICATIONS

- ISTQB Certified Tester – Advanced Level, Technical Test Analyst
- ISTQB Certified Tester – Advanced Level, Test Analyst
- ISTQB Certified Tester – Foundation Level
- Professional Scrum Master I (PSM I) – Scrum.org
- Certified Scrum Product Owner – Scrum Alliance
- AI and Machine Learning Begins With Me – NUS
- Introduction to RapidMiner AI/ML – NUS