

KUNAL SAVALE

Automation Test Engineer | SDET | Quality Assurance

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Playwright • Selenium • API & GenAI Testing • Data Testing • Azure & AWS • Jenkins CI/CD • Python • Java

PROFESSIONAL SUMMARY

QA Automation Engineer with 4+ years of experience in test automation, including hands-on experience with Playwright for designing, developing, and maintaining automation frameworks for web, API, and data-driven applications. Skilled in UI and API test coverage, Selenium WebDriver, PyTest, Cucumber (BDD), and SQL-based data/ETL validation, with strong exposure to cross-browser testing, Azure & AWS cloud environments, and Jenkins-based CI/CD integration. Experienced in GenAI, RAG, and Agentic AI platform testing, including LLM/prompt validation, hallucination and grounding detection, semantic retrieval, query routing, and MCP/tool-calling integration testing. Strong analytical and communication skills with a proven record of improving test coverage, mentoring team members, and driving reliable, high-quality product releases.

SKILLS

Automation & Testing: Selenium WebDriver, Playwright, Appium, Robot Framework, PyTest, Postman, Page Object Model (POM), BDD/Cucumber, Hybrid & Data-Driven Frameworks, Cross-Browser Testing.

Gen AI & Agentic AI Testing: Gen AI Testing, LLM Testing, RAG Pipeline Testing, Prompt Testing / Validation, Hallucination Detection, Grounding Validation, Tool-Calling Validation, Multi-Step Agent Workflow Testing, LangChain, LangSmith, Promptfoo.

Programming & Scripting: Python, Java, JavaScript, TypeScript, SQL, JSON Validation

API Testing: Postman, Playwright API Testing, REST API Validation, Auth Testing, Requests Library, Swagger

CI/CD, Cloud & DevOps: Jenkins, GitHub Actions, Azure DevOps, Docker, AWS (EC2, S3, RDS, Bedrock), Kubernetes, Git, GitHub

Database Testing: ETL Testing, Data Warehouse Testing, BigQuery, Data Completeness & Integrity Checks, SQL, Python (Pandas)

AI-Assisted Development: Cursor AI, GitHub Copilot, Claude AI, ChatGPT

Testing Types: Functional, Regression, Stress Testing, Smoke, Sanity, Integration, System, End-to-End, API, Cross-Browser.

Defect & Test Mgmt / Reporting: JIRA, Allure Report, HTML Report, Extent Reports, Excel, CSV, JSON, VS Code, PyCharm

Methodologies: Agile Scrum - Sprint Planning, Daily Stand-ups, Sprint Reviews, Retrospectives, Backlog Grooming

WORK EXPERIENCE

QA Automation Engineer | Cohesity (via Xpheno)

Aug 2025 – July 2026

Enterprise RAG-based GenAI platform testing across Metadata Filters, Context Aware, Conversation Threads, Permission Management, audit logging, RBAC, multilingual support, redaction, and Copilot/MCP integrations.

- Designed and maintained Playwright-based UI and API automation to strengthen end-to-end test coverage for the enterprise GenAI platform, alongside functional, regression, API, and release testing cycles.
- Validated audit logging, RBAC, multilingual support, redaction, and Copilot/MCP integrations, ensuring compliance-critical features met release quality standards.
- Integrated automated test execution into Jenkins CI/CD pipelines with Git-based version control, improving release confidence and enabling faster feedback for development teams.
- Improved release confidence through defect analysis, test planning, test execution, automation support, and cross-functional collaboration with developers and product teams.
- Used AI-assisted development tools (Claude AI, Cursor, GitHub Copilot) and LangChain/LangSmith to accelerate automation script development and trace multi-step, tool-calling agent workflows during testing.

QE Analyst | Nexvant Solutions

July 2023 – Apr 2025

Quality engineering for customer-facing digital platform & Mobile Applications, including SAM+ and Digital.

- Automated key test cases for SAM+ and Digital platforms using Appium, Selenium and Java, reducing manual testing effort by 60%.
- Built BDD-style automation coverage using Cucumber to create readable, maintainable, and CI-friendly test scenarios.
- Supported release readiness for Mobile application web and Salesforce-connected platforms through functional testing, regression testing, defect tracking, and automation validation.
- Performed data testing and SQL-based backend validation for SAM+ platform data flows, verifying accuracy and integrity of product, usage, and Salesforce-integrated data.
- Utilized Microsoft Azure (Azure DevOps, Azure Pipelines) to manage build, release, and CI/CD pipelines for platform deployments.

API and automation testing for Allstate insurance applications and business workflows.

- Designed and executed API test cases using PyTest, Python, Selenium, and Requests, improving test coverage by 90%.
- Automated end-to-end API and functional tests using Git and Jenkins-based CI/CD workflows, reducing manual QA effort by 70% and improving release quality.
- Performed data testing and SQL-based backend validation on insurance policy and claims data, verifying accuracy, completeness, and consistency across API responses and database records.

PROJECTS

GAIA — Enterprise RAG-Based GenAI Platform | Cohesity

- Worked on GAIA, an enterprise RAG-based GenAI platform enabling natural-language queries over enterprise backup data using semantic indexing, semantic retrieval, and LLM-based response generation.
- Built and maintained Playwright automation scripts alongside Go, Python, PyTest, Watchmen, YAML-based suites, JSON, and VanillaGinkgo for regression and scale-test validation, supporting release readiness.
- Identified and documented 10+ high-impact defects in guardrails, hallucination handling, metadata filters, and audit logging, including UI/backend log-count mismatches, rolling-window data loss, and incorrect modified-entry behavior.
- Executed manual, functional, regression, and API testing across dataset creation, document indexing, semantic retrieval, and answer-generation workflows.
- Improved Copilot and MCP query-routing accuracy from 46% to 100% across 81 structured test queries through targeted validation and defect analysis.
- Performed deployment and upgrade validation on multi-node Kubernetes clusters using Linux, AWS, kubectl, iris_cli, and MobaXterm.
- Prepared a framework-agnostic test plan for scale, performance, stress, and resiliency testing of compliance-critical audit logging features.
- Applied AI-assisted coding tools (Claude AI, Cursor, GitHub Copilot) and LangChain/LangSmith to speed up PyTest/Playwright script development and trace multi-step agent tool-calling workflows.

SAM+ / Digital | Nexvant Solutions

- Supported QA for a digital platform covering product details, Mobile Application, Salesforce integration, usage tracking, and AI chatbot workflows.
- Executed functional, regression, integration, and user acceptance testing across key business modules.
- Built BDD-based automation support using Appium, Selenium, Java, and Cucumber to create readable and maintainable test scenarios.
- Validated 20+ features and UI fixes, contributing to a 40% drop in UAT rework and smoother releases.
- Conducted data testing and SQL-based backend validation to verify data integrity across product, usage tracking, and Salesforce-integrated modules.

Allstate Insurance | Atos-Syntel

- Worked on insurance applications used by agents and policyholders in the insurance domain.
- Built and enhanced automation coverage for end-to-end functional and API testing using Python, PyTest, Selenium, Git, CI/CD, Jenkins, Postman, and Requests.
- Developed an automation framework, test scripts, test cases, and test data for insurance application workflows and release cycles.
- Applied SDLC and STLC knowledge to test planning, execution, bug reporting, and release support.
- Performed data testing and SQL-based backend validation to verify accuracy and consistency of insurance policy and claims data.

EDUCATION

- Bachelor of Technology (B.Tech) | R. C. Patel Institute of Technology | 2021 | CGPA: 7.1

CERTIFICATIONS

- Selenium WebDriver with Java Framework — Udemy
- Selenium WebDriver with Python Framework — Udemy
- Azure Fundamentals — Microsoft

ACHIEVEMENTS

- Awarded Best Improved Performer of the Year at Nexvant Solutions; contributed to the delivery of the SAM+ Digital Platform with zero major defects in production.