

SAI SHARANYA RANGINENI

Senior QA Automation Engineer | Selenium | Java | Playwright | API Testing | CI/CD

+91 9701450017 | saisharanya.rangineni@gmail.com | [LinkedIn Profile](#) | Indian Citizen | Open to Relocate to Singapore (EP Eligible)

PORTFOLIO

View my interactive portfolio showcasing projects, skills, testimonials, and more:

<https://saisharanya-rangineni.github.io/>

PROFESSIONAL SUMMARY

Senior QA Automation Engineer with 4.5+ years of experience in functional and automation testing across healthcare, capital markets, and investment banking domains. Proficient in Selenium WebDriver with Java, Playwright, Cucumber BDD, REST API testing using Postman and Newman, and performance testing using JMeter. Hands-on experience integrating test suites into CI/CD pipelines via Jenkins and Git Actions. Skilled in Python and Bash scripting for automation and troubleshooting, with hands-on experience in Docker, Kubernetes, AWS, Azure, and Linux-based server environments. Additional experience as a Business Analyst gathering requirements and creating UI mockups using Figma. Proven track record delivering quality at scale for global clients including UnitedHealth Group (Optum), Roche, UBS, and Broadridge. Currently based in Hyderabad, India and actively seeking opportunities in Singapore with full readiness to relocate, eligible to apply for an Employment Pass (EP).

TECHNICAL SKILLS

Automation Tools: Selenium WebDriver, Playwright, Cucumber BDD, UFT, ALM

Programming Languages: Java, JavaScript (JS), Python, Bash / Shell Scripting

API Testing: Postman, Newman, Insomnia, REST API, REST Assured

Database & SQL: SQL (query writing from scratch, data validation, ETL validation, query optimisation)

Performance Testing: JMeter (load testing, SLA analysis, concurrency)

CI/CD & DevOps: Jenkins, Git Actions, Docker, Kubernetes, IntelliJ IDEA

Cloud & Infrastructure: AWS, Azure, Linux (server access, scripting, deployment environments)

Bug & Test Management: JIRA, HP ALM, ServiceNow, Retina, Confluence

Methodologies: Agile / Scrum, SDLC, STLC, TDD, BDD, Microservices Testing

Design & BA Tools: Figma (UI Mockups), ServiceNow (Requirements)

Domains: Healthcare, Capital Markets, Investment Banking, Wealth Management

Certifications: Salesforce AI Associate | Bachelor of Technology in Computer Science

PROFESSIONAL EXPERIENCE

Senior Engineer – Automation | Optum | UnitedHealth Group (Client: UHG)

October 2025 – Present

Tools: JIRA, Confluence, ServiceNow, JMeter, IntelliJ, Insomnia, Java, JavaScript, Python, Bash, Git Actions, Docker, Kubernetes, AWS, Azure, Linux

Project: PES (Provider Search) – provider discovery and directory platform for UnitedHealth Group across networks, specialties, and geographies.

- Designed, executed, and maintained API test suites using Postman, covering endpoints, request-response validation, and data integrity for search, filter, provider detail, and credential endpoints.
- Executed functional, regression, and smoke test suites for PES web and API components, contributing to application stability across release cycles.
- Supported UI automation scripts using Selenium WebDriver with Java and Cucumber, focusing on key user journeys including provider search and profile view.
- Participated in integration testing to validate data consistency across PES, upstream master data sources, and downstream consumers.
- Assisted in performance and load testing on search endpoints using JMeter to evaluate response time SLAs under typical and peak load conditions.

- Collaborated with data engineering and DevOps teams on CI/CD test gates and pipeline integration via Git Actions, with hands-on involvement in Docker and Kubernetes-based test environments.
- Wrote and maintained Python and Bash scripts for test automation, deployment support, and environment troubleshooting on Linux-based servers.
- Used SQL to write queries from scratch and fine-tune existing queries for test data validation and data integrity checks across PES provider data systems.
- Worked across AWS and Azure cloud platforms to access test environments, validate deployments, and support go-live activities.
- Maintained test artifacts including test cases, traceability matrices, and test data sets; supported QA estimations, defect triaging, and go-live activities.

Functional/Automation Tester & Business Analyst | Accenture (Client: Roche (DIA AMS – EAI-ET))

March 2023 – September 2025

Tools: JIRA, Confluence, UFT, ALM, Postman, ServiceNow, JMeter, IntelliJ, Figma

Project: Roche DIA AMS – EAI-ET – API testing and automation for a multinational pharmaceutical and diagnostics company (Roche, Basel, Switzerland).

- Designed and developed a robust automation framework using Selenium WebDriver with Java and Cucumber, ensuring scalable and maintainable test scripts.
- Automated and maintained over 30 regression test cases using the Selenium-Cucumber framework, executing them every release cycle to ensure application stability and early defect detection.
- Integrated Selenium test suites with Cucumber and Jenkins CI/CD pipelines, enabling automated regression testing and faster release cycles.
- Designed, executed, and maintained comprehensive API test suites using Postman, covering request-response validation, error handling, and data integrity.
- Conducted load and performance testing using JMeter to assess API response times, concurrency, and system scalability under various scenarios.
- Thoroughly tested API error responses and exception handling mechanisms, identifying potential vulnerabilities and ensuring comprehensive use-case coverage.
- Worked as a Business Analyst, gathering requirements from clients and product owners, drafting Minutes of Meeting (MOM), and conveying requirements to development teams.
- Created UI mockup screens using Figma based on client and product owner requirements.
- Actively participated in sprint planning, daily stand-ups, and retrospectives within an Agile Scrum environment.

Functional Test Engineer | Accenture (Client: UBS & Broadridge (WMAP))

October 2021 – February 2023

Tools: JIRA, AWS Workspaces

Project: Wealth Management Americas Program (WMAP) – end-to-end quality assurance for corporate actions and income processing systems for UBS.

- Performed end-to-end System Integration Testing (SIT) for Corporate Actions and Income Processing (CAIP), covering vendor messages from DTCC, IC, and BNY through the Astrid application lifecycle.
- Accurately identified test scenarios, test cases, and defects to ensure on-time delivery of business processes including memos, voluntary buckets, substitute payments, and payment processing.
- Served as Point of Contact (POC) for Payment Matcher, managing task assignment, reporting, and daily targets.
- Supported Tax Sub-Capability for Substitute Payment Execution.
- Participated actively in all project calls and meetings, providing accurate and timely status updates.
- Received appreciation from clients and leads in the form of reward points, nominations, and recognition for quality delivery.

EDUCATION & CERTIFICATIONS

Bachelor of Technology (B.Tech) – Computer Science

Salesforce AI Associate | Certified

KEY ACHIEVEMENTS

- Delivered 30+ automated regression test cases at Roche, reducing manual testing effort across every release cycle.
- Received client appreciation in the form of reward points, nominations, and recognition during the UBS WMAP engagement.

- Contributed to CI/CD pipeline integration at both Optum and Accenture, improving release velocity and early defect detection.
- Handled dual role of QA Automation Engineer and Business Analyst simultaneously at Roche, bridging the gap between client requirements and development delivery.

REFERENCES

Available upon request.