PEENAKA WEDAMULLA

QA Automation Engineer | DevOps & R&D

Colombo, Sri Lanka | peenakawedamulla123@gmail.com | +94 70 318 9612 | linkedin.com/in/peenaka-wedamulla-60a52122a

PROFESSIONAL SUMMARY

Results-driven QA Automation Engineer with 3+ years of commercial experience delivering robust test automation for FinTech platforms. Hands-on expertise building scalable web, mobile, and API automation frameworks using Selenium, Playwright, Appium and REST Assured in Java and TypeScript. Proven track record in CI/CD integration, containerization with Docker and Kubernetes and performance engineering with JMeter. Active contributor to R&D initiatives spanning backend services (Spring Boot), frontend engineering (React), and microservices architecture. Seeking UK/EU/Remote SDET or DevOps Engineering roles where rigorous test automation and infrastructure reliability are critical.

CORE COMPETENCIES

Test Automation & QA: Selenium • Playwright • Appium • REST Assured • JMeter • Mocha • Page Object Model (POM) • Test Framework Design • Regression Testing • Functional Testing • API Testing • Mobile Testing (Android & iOS) • End-to-End Testing • Performance & Load Testing • Manual Testing

Programming & Scripting: Java • TypeScript • JavaScript • Go • SQL

DevOps & CI/CD: Jenkins • Kubernetes • Docker • Git • GitHub • CI/CD Pipeline Integration • Containerisation • Virtual Machines

Cloud & Monitoring: Microsoft Azure (AZ-900 / AI-900 / SC-900) • Grafana

Frameworks & Backend: Spring Boot • Node.js • React • HTML/CSS • Microservices Testing

Methodologies & Tools: Agile / Scrum • SDLC • STLC • Postman • JIRA • BrowserStack • Android Studio • MySQL

PROFESSIONAL EXPERIENCE

Associate QA Engineer – Automation | LOLC Technologies | Colombo, Sri Lanka *Mar 2023 – Present*

iPay Digital Payment Platform – Mobile & API Automation

- Designed and implemented end-to-end mobile automation frameworks for Android and iOS using Appium and Java, covering the iPay Customer and Merchant applications across full regression cycles.
- Built REST Assured API automation suites to validate payment gateway endpoints, transaction processing, and merchant onboarding workflows, achieving significant reduction in manual regression effort.
- Executed functional, regression and exploratory testing on frequent production releases, maintaining high quality standards for digital payment flows and FinTech compliance requirements.
- Integrated mobile and API test suites into Jenkins CI/CD pipelines, enabling continuous automated testing and rapid feedback on every code merge.

iPay Web Portals – Web Automation

- Architected scalable Selenium and Playwright web automation frameworks in Java and TypeScript targeting the iPay web portals, supporting parallel cross-browser execution.
- Developed modular Page Object Model (POM) frameworks with reusable utilities, reducing test maintenance overhead and accelerating test authoring across multiple portal modules.
- Maintained comprehensive regression suites aligned with SDLC release cycles, collaborating with developers and product owners in Agile Scrum sprints.

FusionX Platform – Web Automation, Manual Testing & Performance / Load Testing

- Developed Selenium and Java-based web automation frameworks for the FusionX platform, implementing end-to-end test suites covering critical user journeys and core business workflows.
- Authored comprehensive test cases, test suites, and test plans in JIRA and Xray, ensuring full traceability from requirements to test execution across functional and regression cycles.
- Managed end-to-end manual test execution cycles in Xray, recording results, tracking defect lifecycle in JIRA and ensuring thorough coverage across release milestones.
- Designed and executed JMeter performance and load test plans for the FusionX product, simulating high transaction volumes to evaluate system reliability, throughput, and response time under stress.
- Analysed performance bottlenecks and produced Grafana reporting dashboards, delivering actionable insights to engineering teams for infrastructure optimisation.
- Containerised regression and performance testing environments using Docker and Kubernetes, improving scalability, environment consistency, and execution efficiency across CI pipelines.

R&D & DevOps Contributions

- Contributed to R&D initiatives exploring microservices-based test architecture, backend services (Spring Boot), and frontend engineering (React + TypeScript) to broaden automation coverage.
- Collaborated with DevOps engineers on Kubernetes-based test environment provisioning and CI/CD pipeline optimisation for containerised test execution.

Banking Intern | HNB Bank | Sri Lanka *Jun 2022 – Dec 2022*

- Supported account operations, fixed deposits, card processing, and digital banking product promotion.
- Managed clearing, fund transfers, and documentation workflows within banking operational standards.

KEY PROJECTS

Real-Time Event Ticketing System | *Java • Spring Boot • Angular • MySQL • Node.js*

- Built a full-stack real-time ticketing platform with secure authentication and live ticket availability via WebSocket-based synchronisation for concurrent booking management.
- Implemented RESTful APIs documented with Swagger and database version control via Liquibase; designed scalable backend architecture and responsive Angular frontend UI.

EstateNexus – Real Estate Web Application | *React • Vite • Bootstrap*

- Delivered a responsive real estate platform featuring advanced property search filtering, SEO optimisation, secure content handling, and reusable React component architecture.

Automation Framework Development (R&D) | *Java • TypeScript • Selenium • Playwright • Appium • REST Assured*

- Designed and built customised multi-platform automation frameworks for API, web, and mobile with modular design patterns supporting parallel execution, reusable utilities, and enterprise-level maintainability.

EDUCATION

BSc (Hons) Computer Science (Final Year Undergraduate) | University of Westminster

CERTIFICATIONS

- ISTQB® Certified Tester - Foundation Level (CTFL) — ISTQB
- Microsoft Certified: Azure Fundamentals (AZ-900) — Microsoft
- Microsoft Certified: Azure AI Fundamentals (AI-900) — Microsoft
- Microsoft Certified: Security, Compliance, and Identity Fundamentals (SC-900) — Microsoft
- Microsoft Certified: Azure Power Platform Fundamentals (PL-900) — Microsoft
- Front-End Development — University of Moratuwa

ADDITIONAL INFORMATION

Languages: English (Fluent) • Sinhala (Native)