VIDYULLATHA KODEBOYANA

Philadelphia, PA | +1(813)-724-7237 | kodeboyanavidyullatha@gmail.com | [LinkedIn](#) | [Portfolio](#)

PROFESSIONAL SUMMARY

Proactive Quality Assurance Engineer with 4 years of experience in UI and API automation, payments testing, and cloud-native SaaS applications. Expertise in building robust Selenium, Cypress, Playwright, Postman, and REST Assured automation frameworks for web, mobile, and API testing. Skilled in designing end-to-end test strategies, SQL/NoSQL backend validation, and performance/load testing with JMeter and Gatling. Strong command over CI/CD pipelines using Jenkins, GitHub Actions, Azure DevOps with Docker/Kubernetes, enabling seamless integration of quality gates in DevOps workflows. Adept at Agile/Scrum collaboration, test planning, defect management, and traceability, ensuring high-quality, zero-defect releases for digital wallet, subscription, logistics, and banking platforms.

TECHNICAL SKILLS

Programming & Scripting: Java, Python, JavaScript, TypeScript, C#, Shell scripting (Linux/Unix), PowerShell
UI & Mobile Automation: Selenium WebDriver, Cypress, Playwright, Appium, Espresso (Android), XCUITest (iOS)
BDD & Test Frameworks: Cucumber (BDD/Gherkin), TestNG, JUnit, NUnit, Jest, Mocha
API & Web Services Testing: Postman, REST Assured, SoapUI, Swagger/OpenAPI, Karate DSL
Performance & Security Testing: JMeter, Gatling, Locust, OWASP ZAP, Burp Suite
Databases & Data Validation: Oracle, MySQL, PostgreSQL, MongoDB, Snowflake, DynamoDB
CI/CD & DevOps: Jenkins, GitHub Actions, Azure DevOps, AWS CodePipeline, GitLab CI/CD, Docker, Kubernetes
Cloud Platforms: AWS
Test Management & Defect Tracking: Jira (Xray, Zephyr), Rally, TestRail, PractiTest, HP ALM
Monitoring & Observability: Splunk, ELK Stack, Grafana, Prometheus, Datadog
Operating Systems & Platforms: Linux/Unix, Windows Server, macOS, Android, iOS
Agile/SDLC Methodologies: Agile (Scrum, SAFe, Kanban), Waterfall, Shift-Left Testing

PROFESSIONAL EXPERIENCE

Quality Assurance Engineer I   Nov 2024 - May 2025
Amazon.com Services LLC | Malvern, PA

- Crafted and executed comprehensive test scenarios for subscription billing and digital wallet workflows, ensuring 99% coverage across UI, API, and backend validations, which minimized production defects.
- Automated regression test suites using Selenium WebDriver with Java and TestNG, reducing manual testing effort by 50% per release and accelerating deployment cycles.
- Conducted API validations with Postman and REST Assured, uncovering over 120 critical defects including tokenization errors and schema mismatches, enhancing payment reliability.
- Developed SQL-driven backend checks for subscription renewals and refund workflows, increasing data accuracy by 30% and ensuring precise revenue tracking.
- Executed JMeter performance tests for high-volume transactions, verifying system stability for 10k+ concurrent users and maintaining 99.99% uptime during peak events.
- Integrated automation pipelines into GitHub Actions and AWS CodePipeline, enforcing quality gates that prevented defect leakage into production.
- Monitored, logged, and analyzed defects in JIRA, providing detailed root cause insights that improved average defect resolution time by 20%.
- Published Confluence dashboards summarizing test coverage, defect trends, and release readiness, enabling leadership to make informed go/no-go decisions.
- Participated actively in Agile ceremonies, refining acceptance criteria and prioritizing test scenarios, which improved shift-left testing effectiveness.

API QA Engineer   Jan 2024 - Oct 2024
TekSharks Inc | Remote, USA

- Executed end-to-end API test plans for shipment and inventory services, validating payload transformations and error handling, resulting in 99% test coverage across REST endpoints.
- Developed automated API regression suites using Postman, Newman, and REST Assured, cutting manual testing efforts by 40% per sprint and improving release predictability.
- Validated JSON and XML responses against schemas, uncovering 50+ critical defects, which strengthened microservice integration reliability.
- Performed SQL-based backend checks in MySQL, confirming transactional integrity of orders and inventory, enhancing data accuracy by 99%.
- Created integration test scenarios combining APIs, web UI, and database layers, improving orchestration across shipment, tracking, and billing modules, reducing inter-service failures by 30%.
- Configured Jenkins pipelines for automated API regression, enforcing zero-defect promotion gates and supporting continuous deployment cycles for frequent feature releases.
- Partnered with product owners and developers to refine API acceptance criteria and prioritize complex scenarios, decreasing production defects by 20%.
- Generated Confluence dashboards to summarize API coverage, defect trends, and release readiness, enabling stakeholders to make informed go/no-go decisions.

- Conducted API performance monitoring with Postman and JMeter under peak loads, ensuring SLA compliance and smooth shipment processing during high-volume periods.

QA Automation Engineer   **Apr 2020 - May 2022**
Capgemini Technology Services | Bangalore, India
- Led end-to-end UI and API testing for loan origination and repayment workflows, achieving 100% requirement traceability and preventing post-production defects.
- Developed Selenium WebDriver automation suites with Java, TestNG, and Cucumber, detecting 150+ UI and functional defects, which enhanced release quality and cut regression effort by 50%.
- Built REST Assured and SoapUI frameworks for API validation, uncovering schema mismatches and integration errors, increasing overall test coverage by 40%.
- Orchestrated CI/CD pipelines in Azure DevOps with Docker and Kubernetes, ensuring automated tests executed consistently across development, staging, and production environments.
- Investigated microservice failures by analyzing Splunk logs and Kafka streams, reducing defect triage and resolution times by 35% while improving system reliability.
- Conducted JMeter performance and load testing, validating loan-processing workflows under high concurrency and ensuring SLA compliance during peak banking operations.
- Created traceability matrices, coverage reports, and dashboards in Confluence, enabling executives to make informed go/no-go release decisions.
- Collaborated with compliance and risk teams to validate audit trails, data protection, and GDPR compliance, preventing regulatory issues.
- Designed integration test scenarios across UI, APIs, and database layers, ensuring smooth orchestration between loan origination, repayment, and reporting systems, reducing inter-system defects by 30%.

PROJECTS
Automated QA Framework for a Cloud-Native E-Commerce Platform
- Developed a modular automation framework with Selenium, REST Assured, and JMeter, enabling end-to-end validation of UI, APIs, and performance across microservices.
- Integrated framework with Jenkins, Docker, and Kubernetes, allowing scalable, parallel test execution across development, staging, and production environments.
- Implemented Grafana dashboards for real-time monitoring of test coverage, performance metrics, and defect trends, enhancing release-readiness visibility for stakeholders.

Microservices Loan Application QA Framework
- Built a Cucumber BDD automation framework in JavaScript, validating loan origination and repayment workflows, increasing coverage of functional and edge cases.
- Incorporated Postman collections and Azure DevOps pipelines to automate API validations and enforce CI/CD test gates, reducing manual intervention.
- Applied SQL-driven backend checks and logged defects in JIRA, ensuring accurate data verification, full traceability, and faster defect resolution.

Payments API Automation for FinTech Platform
- Developed a REST Assured and Postman automation suite for digital wallet, subscription, and payment gateway APIs, achieving 99% coverage of critical endpoints.
- Executed SQL and NoSQL backend validations to ensure transactional accuracy and data consistency, reducing revenue reconciliation discrepancies by 30%.
- Configured Jenkins CI/CD pipelines with Docker, automating API regression runs on feature branches and enforcing zero-defect promotion gates, accelerating release cycles.

EDUCATION
Master of Science in Information Technology   **Aug 2022 - May 2024**
University of North Texas | USA

Bachelor of Technology in Computer Science & Engineering   **Aug 2016 - Apr 2020**
CVSR College of Engineering |India

CERTIFICATIONS
- **ISTQB** - Foundation Level CTFL 4.0
- **Oracle Certified Associate** - Java SE 8 Programmer, SQL
- CompTIA Security+
- CI/CD with Jenkins and Azure DevOps - **LinkedIn Learning**
- Test Automation with Cypress and Playwright - **LinkedIn Learning**
- API Testing and Automation with Postman and REST Assured - **Coursera**