

Kranthi Kumar Katta

SDET 2 | QA Automation Engineer |

Bangalore, India | +91 8466952706 | kranthikumarkatta2006@gmail.com | LinkedIn: [linkedin.com/in/kranthi-kumar-katta-a40093318](https://www.linkedin.com/in/kranthi-kumar-katta-a40093318)

PROFESSIONAL SUMMARY

Results-driven **SDET** and **QA Automation Engineer** with **5+ years of experience** in **Automation Testing, API Validation, Fintech/Payment Systems, and Distributed Microservices Architecture**. Proven expertise in **Selenium WebDriver, Rest Assured, Java, Kafka, CI/CD Pipelines, and End-to-End Transaction Validation** across high-volume **Remittance and Payment Gateway Applications**. Skilled in designing scalable automation frameworks, validating event-driven systems, performing compliance testing, and ensuring production stability for mission-critical financial platforms. Strong experience in Agile/Scrum methodologies, defect lifecycle management, RCA, and cross-functional collaboration.

TECHNICAL SKILLS

Category	Skills
Programming Languages	Java, SQL
Automation Testing	Selenium WebDriver, Hybrid Framework, TestNG, Cucumber (BDD), Appium
API Testing	Rest Assured, Postman, Swagger UI
Performance Testing	JMeter
CI/CD & DevOps	Jenkins, Docker, Kubernetes, Terraform, Maven, Nexus, Argo CD
Messaging & Event Systems	Apache Kafka, Temporal Workflows
Databases & Caching	MySQL (Master-Slave Replication), Redis
Version Control	Git, GitHub, GitLab, Bitbucket
Monitoring & Logging	Datadog, Grafana
Cloud & Infrastructure	GCP, Microservices Architecture
Workflow & Collaboration Tools	JIRA, Confluence, MS Teams, Outlook, Retool, Novu
Test Platforms & Utilities	LambdaTest, TestFlight, App Tester, Airflow, Synchting, Swagger UI

Category	Skills
Operating Systems	Linux, Windows, macOS
Productivity Tools	MS Word, MS Excel, Sublime Text
Methodologies	Agile, Scrum, SDLC, STLC
Web Technologies	HTML, XML

—|—| | Programming Languages | Java, SQL | | Automation Testing | Selenium WebDriver, TestNG, Cucumber (BDD), Data-Driven Framework | | API Testing | Rest Assured, Postman, Swagger | | CI/CD & DevOps | Jenkins, Docker, Kubernetes, Terraform, Maven, Nexus | | Messaging & Event Systems | Apache Kafka | | Databases | MySQL | | Version Control | Git, Bitbucket | | Monitoring & Logging | Datadog, Kibana, Grafana | | Cloud & Infrastructure | GCP, Tomcat | | Methodologies | Agile, Scrum, SDLC, STLC | | Operating Systems | Linux, Windows, macOS | | Web Technologies | HTML, XML |

PROFESSIONAL EXPERIENCE

Barraq Technology Lab India Private Limited | SDET 2

Bangalore, India | 03 June 2025 – Present

Project: BARQ – Cross-Border Remittance Platform

Environment: Java, Rest Assured, TestNG, Kafka, MySQL, Jenkins, Postman, Kubernetes, Docker, Datadog

- Performed **End-to-End Testing** of international remittance workflows across **Distributed Microservices Architecture** handling high-volume cross-border transactions.
- Automated and validated **REST APIs** for beneficiary creation, FX rate validation, compliance checks, pre-commit, and transaction commit workflows using **Rest Assured** and **Postman**.
- Validated complete **Remittance Transaction Lifecycle** including OTP verification, IVR authentication, compliance screening, wallet debit, core banking processing, and **MTO Integrations**.
- Tested integrations with **MoneyGram, TerraPay, Western Union, Thunes, XE, SAS, and FinScan**, ensuring seamless transaction orchestration and data consistency.
- Validated **Kafka-based asynchronous transaction processing**, retry handling, fallback mechanisms, and eventual consistency across distributed services, reducing transaction reconciliation issues by **25%**.
- Executed **SQL Validations** across compliance, remittance, core banking, and frontend systems to ensure **99.9% transactional data integrity**.

- Designed and executed **Edge-Case Test Scenarios** covering compliance hold/reject flows, rollback handling, refunds, timeout recovery, and partial transaction failures.
- Validated **Maker-Checker Workflows** and multi-level approval hierarchy for FX rates, vendor onboarding, fees, and corridor configurations.
- Contributed to **API Automation Framework Development** using **Java, Rest Assured, and TestNG**, improving regression execution efficiency by **40%** and reducing manual validation effort across critical remittance workflows.
- Developed and maintained automated validation suites for high-priority remittance APIs, improving release stability by **30%** and accelerating sprint validation cycles.
- Collaborated with developers, QA teams, and DevOps engineers to support faster defect resolution, production readiness validation, and Agile sprint delivery.
- Integrated automated test suites with Jenkins CI/CD pipelines to support faster release validation and production stability.
- Performed **Mobile Application Testing** for BARQ applications using **Appium**, validating transaction workflows, UI responsiveness, authentication flows, and cross-device compatibility.
- Collaborated with product, backend, **DevOps**, and compliance teams for production issue validation, **RCA**, and defect resolution.

PayU Digital Labs Private Limited (Wibmo) | QA Engineer

Bangalore, India | 03 March 2025 – 02 June 2025

Project: Payment Gateway Platform

Environment: Selenium, Rest Assured, Postman, Jenkins, JIRA, Kubernetes, Helm, MySQL

- Performed **Functional, Regression, and Integration Testing** for **Payment Gateway Applications** supporting domestic and international transactions.
- Validated **End-to-End Payment Transaction Lifecycle** including payment initiation, routing, authorization, settlement, refunds, voids, and chargebacks.
- Tested **Merchant Onboarding Workflows** including MID/TID configuration, MCC validation, alert setup, and bulk onboarding processes.
- Automated **API Testing** for merchant-facing services using **Rest Assured** and **Postman**, validating request/response payloads and transaction stability.
- Validated **Settlement Cycles (T+1/T+2)**, reconciliation workflows, ISO/IPM/NPCI settlement formats, and mismatch resolution processes.
- Verified **Switch-Layer Routing Logic**, ISO8583 message conversion, and transaction handoff between payment networks and issuer systems.

- Conducted **Performance, Stress, and Load Testing** to ensure application resilience under high transaction volumes, improving transaction processing stability by **35%**.
 - Supported regression and shakedown testing activities across multiple environments, improving production readiness and reducing post-release transaction issues by **25%**.
 - Participated in technical risk analysis, release planning, and deployment validation activities to ensure stable payment gateway releases.
 - Collaborated with **DevOps Teams** for Helm deployments, patch management, and environment setup across UAT and production.
 - Executed **PCI-DSS Compliance Validations**, fraud rule testing, tokenization checks, and **3DS Security Validations**.
 - Logged, tracked, and resolved **Transaction-Related Defects** and production issues using **JIRA**.
-

American Heart Association (Impelsys) | QA Engineer

Bangalore, India | 28 June 2021 – 28 February 2025

Project: Atlas – Unified Learning & Certification Platform

Environment: Selenium WebDriver, Java, TestNG, Rest Assured, ReactJS, Angular, MySQL, Jenkins

- Led **QA Activities** for React-based production releases, including test planning, execution coordination, defect tracking, and go-live support.
- Designed and implemented **Selenium WebDriver Automation Frameworks** for smoke, regression, and browser compatibility testing.
- Automated critical business workflows and regression scenarios, improving test execution efficiency by **45%** and reducing repetitive manual testing efforts.
- Collaborated with Scrum teams during sprint planning, daily stand-ups, retrospectives, and release validation activities to ensure high-quality Agile deliveries.
- Developed **Hybrid Automation Frameworks** using **Selenium, TestNG, and Apache POI**, improving test coverage by **40%** and framework maintainability.
- Performed **API Functional and Integration Testing** using **Rest Assured** and **Postman** across multiple enterprise integrations.
- Managed **UAT Cycles**, coordinated stakeholder validations, and ensured production readiness for user-facing features.
- Collaborated with **DevOps Teams** for Helm deployments, VPC migrations, database refreshes, and **MySQL 8.0 Upgrades**.

- Validated **Enterprise Integrations** including eCards, SSO, eLearning, MotionPoint, Google Maps, ShopCPR, and Instructor Network.
 - Conducted **Regression, Performance, Load, and Stress Testing** to ensure system stability across pre-production and production environments, reducing critical production defects by **30%**.
 - Contributed to **Root Cause Analysis (RCA)**, defect triaging, and release quality improvements in Agile delivery cycles.
 - Worked closely with developers, business teams, and external stakeholders to resolve **Critical Production and Integration Issues**.
 - Performed **Security and Accessibility Validation** for high-usage APIs and frontend workflows.
 - Utilized **Microsoft Dynamics 365** for training center management and user activity monitoring.
-

EDUCATION

Halmstad University, Sweden

Master's in Mechanical Engineering | 2021

Mahaveer Institute of Science and Technology, Hyderabad

Bachelor's in Mechanical Engineering | 2013 – 2017

CERTIFICATIONS

- DevOps Certification Training – Eureka (In Progress)
 - Continuous Integration & Continuous Deployment (CI/CD)
 - Docker, Jenkins, Kubernetes, Terraform & Configuration Management
 - Git & Build Automation in SDLC
-

KEY HIGHLIGHTS

- 5+ years of experience in QA Automation, API Testing, and Fintech Systems
- Expertise in Selenium, Rest Assured, Java, Kafka, Jenkins, and MySQL
- Strong experience in payment gateways, distributed microservices
- Hands-on experience with CI/CD pipelines, containerized deployments, and production validation

- Proven ability to manage end-to-end testing, RCA, integration testing, and release coordination
- Strong understanding of Agile/Scrum methodologies and SDLC/STLC processes
- UI & API & FinTech / Banking / Payments Domain, Enterprise SaaS / Learning Management Domain Testing Specialist