

S. KAARTHIKEYAN

QA Engineer | Manual & Functional Testing | 3.6 Years Experience
Kaarthikeyanvs@gmail.com | +91 9677499417 | [linkedin.com/in/skaarthikeyan06](https://www.linkedin.com/in/skaarthikeyan06) | Chennai, India

PROFESSIONAL SUMMARY

Results-driven QA Engineer with 3.6 years of experience in Manual Testing, STLC, SDLC, and Defect Life Cycle management for banking and enterprise security platforms. Expertise in Functional, Regression, Integration, System, Smoke, Sanity, and UAT Testing for Web and Mobile Applications. Proficient in Test Case Design & Execution, Test Planning, Requirement Analysis, Bug Tracking, and Root Cause Analysis. Hands-on with JIRA, Azure DevOps, Postman (API Testing), SQL & Database Testing, and Agile/Scrum ceremonies. Additional skills in Selenium WebDriver automation, Cross-Browser Testing, and CI/CD pipelines. Strong communicator with a track record of L2 Production Support and client-facing demos in banking domain.

TECHNICAL SKILLS

Testing: Manual Testing · Functional Testing · Regression Testing · Integration Testing · System Testing · Smoke Testing · Sanity Testing · UAT · Exploratory Testing · Black Box Testing · End-to-End Testing

Methodology: STLC (Software Testing Life Cycle) · SDLC · Defect Life Cycle · Agile · Scrum · Waterfall · Test Planning · Test Strategy · Requirement Analysis · Traceability Matrix (RTM)

Platforms: Web Application Testing · Mobile Application Testing · Desktop Application Testing · Cross-Browser Testing · Cross-Platform Testing

Test Management: Test Case Design & Execution · Bug Tracking · Defect Reporting · Root Cause Analysis · Test Reporting · Test Documentation

Tools: Postman · SQL Server · Selenium WebDriver · TestNG · JMeter · Wireshark · Eclipse · Maven · Git

AI & Monitor: Grafana · Prometheus · Claude (Anthropic) · ChatGPT · AI-assisted Development

Languages: Java · SQL

WORK EXPERIENCE

Software Engineer – QA, Validation & Support · Rax-Tech International, Chennai

Dec 2022 – Present

- Promoted from Junior Tester to Software Engineer (2023) for consistent quality delivery across 15+ production releases of AI-based banking security platforms.
- Executed complete STLC & SDLC coverage — Functional, Regression, Integration, System, Smoke, Sanity & UAT Testing for Web & Desktop Applications.
- Designed 200+ Test Cases per release cycle with full Requirement Traceability Matrix (RTM); managed complete Defect Life Cycle via bug logging to Root Cause Analysis and closure.
- Performed API Testing using Postman (REST endpoint validation) and SQL & Database Testing (SQL Server) for data integrity and backend validation.
- Conducted Cross-Browser Testing and Cross-Platform Testing across multiple environments for ATM surveillance and ERP systems.
- Led UAT sessions, provided L2 Production Support, and delivered client demos to banking client.
- Built Selenium WebDriver + Java + TestNG automation framework reducing regression cycle time by 87% (8 hrs → 1 hr); integrated with CI/CD pipeline.
- Participated in Agile/Scrum ceremonies — sprint planning, daily standups, retrospectives, and defect triage with cross-functional teams.

KEY PROJECTS

EVA – Edge Video Analytics (ATM Security Platform)

v2.10 – v3.0.3

- Owned full STLC — Functional, Regression, Smoke & Sanity Testing for mask/helmet detection, people counting, and loitering alert modules across 15+ releases.

ACS – Access Control System (Bank Locker Security)

- Manual & Integration Testing of OTP-based Multi-Factor Authentication; built automation framework achieving 87% reduction in regression testing time.

CMMS – Central Monitoring Management System

- Executed System & UAT Testing for real-time alerts, device monitoring dashboards, and notification workflows for banking infrastructure.

ERP – Enterprise Resource Planning

- Performed Functional and Regression Testing across accounting, project management, and supply chain modules, validated data integrity via SQL Database Testing.

PERSONAL PROJECTS (AI-ASSISTED / VIBE CODED)

MimiCart – WhatsApp E-Commerce Platform — mimicart.shop [Live]

- Built and shipped no-code storefront builder for WhatsApp order management using AI-assisted development (Claude, Lovable).

KJMailDesk – Disposable Email Service — kmaildesk.dev [Live]

- Launched privacy-first temporary email platform with real-time delivery, SEO optimisation, and ad monetisation.

TrackInvo – Inventory & Billing Management — trackinvo.netlify.app [Under Development]

- Building inventory & billing web app for Small and medium-sized businesses.

EDUCATION & CERTIFICATIONS

B. Tech – Electrical & Electronics Engineering · Vel Tech University, Chennai

2015 – 2021 | CGPA: 7.13

Software Testing – Manual & Automation · Besant Technologies

Mar – Aug 2021