Rity Abraham Jacob

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PROFESSIONAL SUMMARY

QA professional with 3+ years of experience in manual and automation testing in the banking domain. ISTQB Certified with hands-on project experience using Robot Framework and Selenium to design and run automated tests that improve coverage. Built and maintained CI/CD pipelines with GitHub Actions and Docker to support efficient, reliable deployments. Strong collaborator in Agile environments with proven ability to document test evidence, align QA processes with sprint goals, and deliver high-quality releases.

TECHNICAL SKILLS

- **Languages:** Python, Javascript, SQL
- **Testing** Test Planning, End-to-End Testing, Functional Testing, Regression Testing, SIT, UAT, Unit Testing, Performance Testing, Root Cause Analyses, Documentation & Reporting
- **Tools:** Robot Framework, GitHub, Selenium, Postman, SSMS, Power BI, HP ALM, Cursor, VS Code.
- **DevOps & Automation:** CI/CD, Docker, GitHub Actions, Jenkins, Kubernetes, ESLint, Jest
- **Cloud Platforms:** AWS, Azure

PROFESSIONAL EXPERIENCE

Quality Assurance Analyst — Tata Consultancy Services, India (Project: CIBC)   *Aug 2021 – Aug 2023*

- Refined and validated business requirements, user stories, and acceptance criteria to design detailed SIT and UAT test plans, creating and executing 100+ test cases that improved test coverage and ensured 95% of defects were resolved before release.
- Executed end-to-end testing across major CIBC applications covering three large workstreams, ensuring business logic accuracy and system stability.
- Performed API testing using the SOA tool, to simulate requests and validate XML/JSON payloads, headers, status codes, and negative scenarios.
- Reviewed and interpreted documentation provided by scrum teams to support SIT and UAT execution, preparing test data and coordinating environment readiness.
- Assessed outcomes in SIT and UAT environments, performed SQL-based backend validation, and identified system gaps or inconsistencies across UI, API, and database layers.
- Documented test results, logged and tracked defects in HP ALM, and provided recommendations for improvements to stakeholders based on testing outcomes.
- Collaborated in Agile/Scrum teams with developers, business analysts, and business users to align on requirements, communicate risks, and support sign-off.

EDUCATION

- **Post-Graduate Certificate in CloudOps** — York University, North York, ON   *Sep 2024 – May 2025*
- **Post-Graduate Certificate in Big Data Architecture** — Conestoga College, Kitchener, ON   *Sep 2023 – Apr 2024*
- **B.Tech - Computer Science Engineering** — Amal Jyothi College of Engineering Autonomous, Kottayam, India   *Aug 2017 – Apr 2021*

CERTIFICATIONS

- **Certifications:** AWS Cloud Practitioner (2025), ISTQB - CTFL (2025)

PROJECT EXPERIENCE

Solana Trading Bot — Real-Time Trading Automation   *Jul 2025 - Present*

- Built a Node.js bot to replicate Solana wallet trades in real time using WebSocket RPC, Helius webhooks, and Jupiter API.

Tech Stack: Node.js, TypeScript, WebSockets, Solana RPC, Helius, Jupiter API   —   GitHub Link

E-Commerce Test Automation Suite   *Sep 2025*

- Developed an end-to-end automation suite for an e-commerce site, integrated with CI/CD pipelines to trigger regression testing on every push and pull request.

Tech Stack: Robot Framework, SeleniumLibrary, Python, GitHub Actions   —   GitHub Link

Simulated Cloud Migration for Healthcare Org   *Apr 2025*

- Designed a secure AWS infrastructure with CI/CD automation, containerized deployment, security checks, and performance monitoring.

Tech Stack: AWS (EC2, RDS, S3, IAM, Route 53, ECR, CloudWatch), GitHub Actions, Docker, Node.js, Jest, ESLint, SonarQube, OWASP ZAP, NGINX, K6, Grafana   —   GitHub Link