

# Rity Abraham Jacob

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## PROFESSIONAL SUMMARY

QA professional with 2+ years of experience in software testing, seeking to utilize my skills in quality engineering and contribute to the success of the company by delivering high-quality software products. Experienced in building automated tests and supporting CI/CD processes to ensure reliable deployments. Collaborates in Agile teams with developers and business analysts to align testing to sprint goals, surface risks early, and deliver high-quality releases.

## TECHNICAL SKILLS

- **Languages:** Python, Javascript, SQL
- **Testing:** Functional & Automation Testing, Regression Testing, API Testing, Test Reporting, SDLC, Analysis & estimation of testing effort, Test design & execution.
- **Tools:** Playright, Robot Framework, Selenium, Postman, GitHub, SSMS, Power BI, HP ALM, Cursor, VS Code.
- **DevOps & Automation:** CI/CD, Docker, GitHub Actions, Kubernetes, Jest
- **Cloud Platforms:** AWS, Azure

## PROFESSIONAL EXPERIENCE

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

- Worked on CIBC internal applications such as ECIF, COINS, and FTOL.
- 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.
- Supported SIT and UAT by reviewing requirements, preparing test data, performing SQL-based backend validation, and identifying gaps across UI, API, and database layers, documented results, managed defects in HP ALM, and shared improvement recommendations with stakeholders.
- 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, ISTQB - CTFL.

## 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](#)

**Personal Portfolio** *Nov 2025*

- A personal portfolio website with a backend contact form.

Tech Stack: HTML, CSS, JavaScript, Express, Postman, Netlify, Resend, Render. — [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](#)