

Rity Abraham Jacob

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PROFESSIONAL SUMMARY

QE professional with 3+ 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

- **Technical Skills:** JavaScript, Python, Node.js, HTML, CSS, PostgreSQL, MySQL, REST APIs, JSON, OAuth, JWT, AWS.
- **Frameworks & Libraries:** Express.js, Robot Framework, Selenium, Prisma.
- **Tools & Utilities:** Git, GitHub, Postman, Docker, GitHub Actions, CI/CD, SSMS, Jira, HP ALM, Power BI, VS Code, Render, Netlify.
- **Testing:** Functional & Automation Testing, Regression Testing, API Testing, Test Reporting, SDLC, Test Analysis, Test case design & execution.

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.
- Performed UI/end-to-end functional testing using Python-based Robot Framework to automate interactions, validate UI content, and ensure business logic accuracy.
- Performed SQL-based backend validation and test data preparation during SIT/UAT, identified cross-layer defects, and managed defect tracking and reporting in HP ALM.
- Collaborated in Agile/Scrum teams with developers, business analysts, and Product Owners 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, Google Cloud Certified - Generative AI Leader.

PROJECT EXPERIENCE

News Application — Full-Stack Web Platform

Tech Stack: Node.js, JavaScript, HTML, CSS, REST APIs, RSS Feeds, PostgreSQL (Prisma), Postman.

Solana Trading Bot — Real-Time Trading Automation

- 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

Personal Portfolio

Tech Stack: HTML, CSS, JavaScript, Express, Postman, Netlify, Resend, Render.

E-Commerce Test Automation Suite

- 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

Simulated Cloud Migration for Healthcare Org

- 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