Shijin Joseph

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Professional Summary

Detail-oriented QA Automation Engineer with 4+ years of experience in designing, developing, and executing automated test frameworks for enterprise-scale applications. Proven track record in functional, regression, and integration testing using Agile/Scrum methodologies. Skilled in UI and API automation, SQL validation, and integrating automated test suites into CI/CD pipelines. Adept at collaborating with cross-functional teams to deliver high-quality software with minimal defects. Passionate about continuous improvement, innovation, and delivering secure, reliable solutions in high-performance environments.

Expertise

- **Automation Tools & Frameworks:** Selenium, Cucumber, Cypress, QTest, RestAssured

- **Programming & Scripting:** Java, Python, JavaScript, Shell Scripting

- **API & Web Services Testing:** REST, GraphQL, Postman, RestAssured, JSON, XML

- **Databases & SQL:** MySQL, PostgreSQL, SQL Server, Data Validation, Joins, Aggregations, Stored Procedures, Query Optimisation, Data Integrity Testing

- **DevOps & CI/CD:** Jenkins, Git, Bitbucket, GitHub Actions, Docker, Terraform

- **Cloud & DevOps:** AWS, GCP, Azure, Jenkins, Docker, Terraform, Kubernetes, GitHub Actions

- **Methodologies:** Agile/Scrum, SDLC, Test Planning, Requirements Analysis

Professional Experience

Systems Engineer

Tata Consultancy Services (TCS), India
 May 2021 – September 2023

Project: Last Yard – Retail Pricing & Shelf-Edge Labeling System (Australian Supermarket Domain)

- Designed, developed, and maintained automated UI and API test cases using Selenium and Java.

- Integrated automated test suites into CI/CD pipelines (Jenkins, Git) ensuring faster release cycles.

- Performed extensive SQL data validation to verify pricing accuracy, product master data, promotional rules, and store-level configurations.

- Led regression, functional, and sanity testing for retail applications in Agile/Scrum environments.

- Collaborated with developers and BAs to analyze requirements, define acceptance criteria, and create comprehensive test scenarios.
- Validated data flow between the pricing engine, catalog database, and downstream store systems.
- Logged, tracked, and closed defects using Jira and QTest

Software Engineer

Neridio Systems Pvt. Ltd, India
August 2020 – April 2021

- Developed and executed automated and manual test scripts for web applications.
- Conducted unit, functional, and integration testing to ensure optimal software quality.
- Wrote SQL queries involving joins, aggregates, nested queries, and filtering to validate backend data and troubleshoot defects.
- Documented software architecture and maintained test plans, cases, and reports.

Education

Postgraduate Certificate – Artificial Intelligence (2025)
Durham College, Oshawa, ON

Postgraduate Certificate – Cloud Computing (2024)
Durham College, Oshawa, ON

B.Tech – Computer Science & Engineering (2020)
Toc H Institute of Science and Technology, Kerala, India

Projects

Cloud DevOps Pipeline – AWS & GCP

- Designed and deployed a CI/CD-enabled pipeline integrating automated testing using Jenkins and Docker.
- Reduced deployment time and improved reliability with Terraform and Prometheus monitoring.

Smart Price Retail Platform – AWS SageMaker

- Developed and tested a dynamic pricing system using AWS Lambda, API Gateway, and RDS, performing SQL validations to ensure accurate real-time price updates.