BALA SUBRA MANIYAN S R

Quality Assurance Engineer

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SUMMARY

Detail-oriented Quality Assurance Engineer with hands-on experience in **manual and automation testing** of web and mobile applications. Strong exposure to **Selenium WebDriver, TestNG, Postman, Java, and SQL**, with a solid understanding of **SDLC, STLC, Defect Life Cycle, System Integration Testing (SIT), and User Acceptance Testing (UAT)**. Experienced in collaborating with **clients and cross-functional teams** to deliver reliable, high-quality software solutions.

CORE SKILLS

Testing Types
Manual Testing, Functional, Regression, Smoke, Sanity, Usability, Compatibility Testing

Advanced Testing
System Integration Testing (SIT), User Acceptance Testing (UAT – Client Support).

Test Design Techniques
Black Box Testing, Boundary Value Analysis (BVA), Equivalence Class Partitioning (ECP)

Automation Exposure
Selenium WebDriver with TestNG

API Testing
REST API Testing

Methodologies
Agile, Waterfall

TOOLS & TECHNOLOGIES

Automation & Testing: Selenium WebDriver · TestNG

API Testing: Postman · JMeter

Programming: Java · SQL

Defect Tracking: Azure DevOps · Taiga

CMS: Drupal

KEY ACHIEVEMENTS

Improved regression testing efficiency by automating **selected critical workflows** using Selenium WebDriver and TestNG.

Reduced production defects through effective **test planning, requirement analysis, and early defect identification**.

Enhanced test coverage by designing detailed test scenarios using **BVA and ECP** techniques.

Supported successful **SIT and UAT phases** by collaborating with clients and internal teams to ensure smooth releases.

PROFESSIONAL EXPERIENCE

Mindgraph Technologies   Coimbatore, India
Quality Assurance Engineer   02/2024 - Present

- Developed and executed comprehensive test plans, scenarios, and cases based on SRS for complete coverage.
- Performed functional, regression, smoke, sanity, compatibility, and database testing for web applications.
- Automated regression test cases using Selenium WebDriver with TestNG for improved efficiency.
- Conducted thorough API testing using Postman and JMeter to validate backend integrations.
- Supported UAT by collaborating with clients to validate fixes and clarify defects, using Azure DevOps for defect tracking.
- Participated in System Integration Testing to ensure end-to-end workflows across integrated modules.
- Collaborated with development and product teams to deliver high-quality, client-ready software.

PROJECT EXPERIENCE

Saaspe – AI SaaS Management Platform

Description:
AI-driven SaaS management platform for optimizing business operations.
Responsibilities:

- Participated in requirement analysis, test planning, SIT, and UAT support.
- Designed and executed functional and regression test cases.
- Automated selected test scenarios using TestNG.
- Performed API testing using Postman and database validation.
- Tracked defects using Taiga.

APSS – Aircraft Protection Security Services

Description:
Web and mobile application for managing flight ground security services.
Responsibilities:

- Performed functional, smoke, sanity, usability, and regression testing.
- Supported SIT and UAT execution with client coordination.
- Logged and tracked defects using Azure DevOps.

MAGP – Malaysia Airports Group Procurement

Centralized procurement system. Responsibilities:

- Executed functional and regression testing for web and mobile applications.
- Automated selected regression test cases using Selenium WebDriver and TestNG.
- Supported SIT and UAT activities.
- Managed defects using Azure DevOps.

SPA – Single Paper Approval

Description:
Digital approval workflow system.
Responsibilities:

- Designed and executed manual test cases for approval workflows.
- Supported SIT and UAT activities and defect validation.
- Logged defects using Azure DevOps.

CLM – Contract Lifecycle Management

Description:
Contract management system integrated with digital signing.
Responsibilities:

- Performed functional, regression, and usability testing.
- Executed test cases for contract creation, approval, and signing workflows.
- Supported SIT and UAT phases.
- Logged defects using Azure DevOps.

ECMS - Enterprise Content Management System

Description:
A centralized enterprise content management system designed to manage and update digital content, configurations, and workflows across multiple applications through a unified admin platform.
Responsibilities:

- Conducted functional, smoke, sanity, usability, and regression testing.
- Designed and executed test cases for contract creation, approval, and signing workflows.
- Logged and tracked defects using Azure DevOps.
- Collaborated with cross-functional teams and clients during SIT and UAT.

PROJECT EXPERIENCE

Eraman

Description:

Malaysia's premier airport retail and duty-free e-commerce platform operated by Malaysia Airports (Niaga), offering curated products, promotions, and shopping services for travellers across multiple airport locations.

Responsibilities:

- Performed functional, smoke, sanity, usability, and regression testing.
- Designed and executed test cases for contract lifecycle workflows.
- Coordinated with clients during UAT execution and validation.
- Logged and tracked defects using Azure DevOps.

EDUCATION

Coimbatore Institute of Engineering and Technology (Official Page)   07/2019 - 04/2023

Bachelor of Information Technology │ CGPA: **7.86** / 10

CERTIFICATION

Software Testing Certification — QSpiders, Chennai

Crowd Beta Testing Certification — QSpiders, Chennai

Crowd Beta Testing across Trading, Travel, Insurance, and E-Commerce domains   — QSpiders, Chennai

LANGUAGES

English Proficient ▮▮▮▮▯   **Tamil** Native ▮▮▮▮▮