DHARANI ANANDHAN

SENIOR QA ENGINEER

Tamil Nadu, India | dharanianandhan@gmail.com | 9791822535

SUMMARY

Senior QA Engineer with 7.5 years of experience in Manual and Automation Testing in manufacturing domain. Adept at developing test automation scripts and collaborating with Agile teams to improve software quality. Tested end to end functionalities for web and cloud applications.

TECHNICAL SKILLS

Automation: Tricentis Tosca **Database:** SQL, PostgreSQL	**Test Management:** JIRA, Qtest, Confluence, Test Rail **API:** Postman, SoapUI	**CI/CD:** Jenkins, GIT, GITHUB **Stress:** Jmeter **Cloud:** AWS Lambda, S3 SDLC, STLC, Agile, DevOps	**Testing Types Perfomed:** Sanity, Smoke, Regression, Integration, API, System, UAT, Stress

CERTIFICATIONS

- **Languages:** English, Tamil
- **Certifications:** •Automation Specialist L1 & L2, Test Design Specialist L1 & L2, Automation Specialist for API, Automation Specialist for Database, Automation Engineer Level 1

PROFESSIONAL EXPERIENCE

Tata Consultancy Services   **Dec 2016 - Jun 2024**

Project Details: 1. IT Quality Practices [Feb 2022 - Jun 2024]
Overview: Provides services to clients for various types of testing: Automation, Manual, Load/Performance, Stress, Security, Regression
Tools Used: TOSCA, Jenkins, JIRA, Qtest, Postman
Roles and Responsibilities:

- Develop, maintain, and enhance test automation scripts for Regression and End-to-End (E2E) testing of web applications using Tosca.
- Automate GUI, Non-UI Applications, Excel, and API testing.
- Strong hands-on experience with Tosca Test Suite, including Modules, Test Cases, TCD, Execution Lists, Libraries, Recovery Scenarios, and XSCAN window usage.
- Expertise in creating Test sheet/Excel, Templates and created custom controls in Tosca modules.
- Conduct peer reviews, troubleshoot issues, and mentor QA team members on Tosca scripting.
- Integrate Tosca automation with QTest and CI/CD pipelines (Jenkins) to streamline the testing process

KEY ACHIEVEMENTS in TOSCA:

- Developed robust automated test suite using TOSCA for below applications that reduced regression testing time by 60%:
- CSAR EAM – Engineering Access Management portal which provides tool access and program VDI tool versioning for CSAR users.
- GDC CE Quote- Web based order management tool for CE Quotes management.
- Technical Time Tracking – Web based application to track and record time spent for users against Projects.
- GDC RRM – Request management tool
- PLM Windchill: Developed a workaround solution for major functionality (CA module) of PLM Windchill Application (CBU) where it resulted in increased automation test coverage by 60%

Project Details: 2. DA - Preventech [Jan 2021- Jan 2022]
Overview: Monitors performance of mining fleets and provide early detection of equipment issues/ failures using alerts
Tools Used: JIRA, Qtest, TOSCA, Postman, JMeter, Ghost Inspector, AWS (lambda, S3, CloudWatch, Elasticsearch), Kibana
Roles and Responsibilities:

- Validation of Rules, Algorithms and Fault codes which represents alerts (issue in fleet).
- Validation of alerts getting enriched in AWS pipeline through lambda functions, validating in S3 storage, comparing it with UI and postgres DB, and validated notifications and reports.
- Performed Regression testing every week through Ghost Inspector automation script for regression test cases.
- Performed API Load/Performance and Stress testing whenever required before module release by generating real time data compared with production
- Created regression test scripts in TOSCA and integrated it with JIRA and Qtest for CI and added the tosca automation to AWS code build for monitoring production and stage environment.
- Performed API testing with postman for validation of alerts.
- Actively Participated in PI planning, Backlog Refinement sessions, Sprint planning, Daily stand up and sprint retrospective meetings.
- Presented Demo for Product Management team every sprint
- Worked with integration teams- AAI, FIT and Engineering teams who configures and defines rules, algorithms for processing alerts.

Project Details: 3. Labor Reporting system [Apr 2018- Dec 2020]
Overview: Ariba: e-procurement tool for purchasing indirect goods.
Tools Used: JIRA, Qtest, Oracle SQL Developer
Roles and Responsibilities:

- Involved in technical analysis of Requirement specification, writing and executing testcases, raising and maintaining defects and documenting test reports.
- Actively participated in Sprint Grooming, Sprint Planning and Sprint Retrospective meetings.
- Provided clarifications, solutions to team for complex modules whenever required.
- Have produced precise test results, defect reports, tracked it in Qtest throughout project.
- Have raised 640+ defects in SIT and 60+ defects in system testing which resulted defect free delivery after production.
- Have done root cause for high priority production issues and provided clear clarifications to the customer.
- Worked with dev and support team in analysis before and after production move
- Have submitted two process improvements which resulted in hard savings of $66K/Year.

Project Details: 4. SAP Ariba Cloud and On-Premises [2017- May 2018]
Overview: Ariba: e-procurement tool for purchasing indirect goods.
Roles and Responsibilities:

- Involved in Testing-both SIT and UAT for Downstream and Upstream modules of SAP Ariba Cloud.
- Managed SIT/UAT/Regression Executions, Defect Analysis, Review Test Results Summary and obtain Testing sign off.
- Tested Modules in Downstream: PR, PO, eForms, Invoices; In Upstream: Analytical reports, Contracts, Sourcing.
- Co-ordinated with interface teams such as Maximo, BOLT, CORE, GIEA, SIM, Middleware for Testing as well as Ariba L3 Production support.
- Attended client meetings, provided weekly update and report.
- Maintained good rapport between Offshore-Onsite and Co-ordinated well with L2 and L1 teams for production support
- Provided L3 production support for Ariba cloud and Ariba On-premises: Interacted with end users and handled bulk amount of level 3 incidents and work orders
- Worked in Inspector (downstream) for Ariba 9r2 OnPremises.
- Implemented category division procedure for bulk closure of tickets