TAMILSELVAN PALANISAMY

SOFTWARE TEST ENGINEER

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ABOUT ME

To give effective as well as efficient efforts towards the attainment of organizational goals with exploring the wide scope of knowledge and intelligence. To work in an environment that provides a challenging and rewarding career ensuring high- level job satisfaction. In the process apart from benefiting my employer,
I also expect to learn for my overall development in playwright automation.

PROFESSIONAL PROFILE

- Result-oriented QA Automation Engineer with over 4.9 years of experience in delivering high-quality software testing solutions across multiple domains and projects. Known for balancing manual testing expertise with advanced automation skills.
- Experienced in manual, API, and UI automation testing, with strong specialization in Playwright for building scalable, maintainable, and high-performing test suites.
- Hands-on expertise in Playwright to automate complex workflows, ensuring faster releases, improved coverage, and reduced manual effort across critical business modules.
- Strong knowledge in designing and implementing BDD (Cucumber), POM, Data-Driven, and Hybrid frameworks, enabling efficient automation strategies adaptable to changing requirements.
- Skilled at integrating test automation into CI/CD pipelines using Jenkins and GitHub, enabling continuous testing and providing real-time feedback to stakeholders.
- Proven success in delivering robust testing solutions across Insurance domain ensuring compliance with industry standards and superior user experience.
- Adept at creating and executing high-level test strategies, aligning test coverage with business priorities, and minimizing risks in production environments.
- Strong debugging and root cause analysis skills, leveraging Playwright Trace Viewer and detailed logging to identify UI synchronization issues and API response delays.
- Proficient in Page Object Model (POM)-based automation, designing reusable components, locators, and actions to enhance maintainability and reduce flaky test cases.
- Successfully executed automation test suites across multiple browsers and environments, validating application stability, responsiveness, and cross-platform compatibility.
- Skilled in test case design, test data preparation, and result analysis, ensuring accurate validation of functional and non-functional requirements.
- Experienced in defect management using JIRA, documenting issues with detailed logs, screenshots, and reproduction steps to enable faster resolution by developers.
- Effective collaborator within Agile teams, working closely with developers, business analysts, and product owners to ensure complete and relevant test coverage.
- Possess strong understanding of Software Development Life Cycle(SDLC) and Software Testing Life Cycle (STLC),applying best practices in all stages of testing.
- Experienced in REST API testing using Postman and Rest Assured, validating payloads, response codes, and integrations between services and third-party systems.
- Expertise in DevOps tool sand practices, including Git/GitHub for version control, Jenkins for CI/CD automation, Docker for containerization, and AWS (EC2, CloudWatch, Auto Scaling) for cloud-based deployments and monitoring.

TECHNICAL SKILLS

Languages: JavaScript, SQL, MySQL
Automation: Playwright, Testim AI
Frameworks: BDD (Cucumber), POM, Data-Driven, Hybrid API Testing: Postman, Rest Assured
Build Tools: NPM
CI/CD: Jenkins, Git, GitHub
Test Management: JIRA, TestRail, Xray OS/Browser Testing: Windows, Linux, Chrome, Firefox, Edge
Methodologies: Agile Scrum, Sprint Planning, Daily Stand-ups, Retrospectives
Others: HTML, CSS, JSON/XML Parsing, Faker.js, xlsx (Excel handling), Allure Reporter (test reports)
Cloud/DevOps: AWS (EC2, Auto Scaling, CloudWatch), Docker (containers/images)TECHNICAL SKILLS

WORK EXPERIRNCE:

AXIS MAXLIFE INSURANCE LTD   JAN 2023 – AUG 2025

Software Test Engineer

Project: AXIS Maxlife Insurance – Playwright Automation

- Built a scalable Playwright automation framework using JavaScript with centralized selectors, utilities, and reusable libraries, ensuring maintainable and consistent automation across multiple insurance modules.
- Automated end-to-end insurance workflows such as policy creation, premium calculations, claim submission, renewals, and endorsements, ensuring accuracy and reliability across complex business processes.
- Implemented Page Object Model (POM) design with reusable page actions, element handlers, and test utilities, enhancing modularity, readability, and reducing maintenance effort for frequent UI enhancements.
- Developed custom Playwright wrappers for standardizing UI actions like dropdown handling, form validations, and authentication processes, improving automation stability across multiple insurance portals.
- Simulated multi-user and concurrent policy submission scenarios to validate claim processing, underwriting approvals, and policy renewals under varied customer and agent profiles.
- Performed API testing using Playwright's API Request Context, validating policy services, premium computations, claim status, and renewal APIs, ensuring accurate integration between frontend and backend systems.
- Developed data-driven Playwright scripts using Faker and JSON datasets for generating realistic customer profiles, insurance policies, and claim cases to achieve better test coverage.
- Configured Jenkins CI/CD pipelines for automated regression execution across Dev, UAT, and Stage environments, providing continuous feedback to stakeholders and improving release efficiency.
- Utilized Playwright Trace Viewer, screenshots, and video recordings for debugging flaky tests and performing root cause analysis, minimizing rework and enhancing test reliability.
- Integrated Allure and Extent Reports to deliver detailed automation summaries, trend analysis, and coverage metrics to QA leads and project managers during sprint reviews.
- Leveraged Testim AI for self-healing locators to automatically adapt to frequent UI updates in insurance web applications, reducing flakiness and long-term maintenance overhead.
- Collaborated with underwriting, claims, and development teams to align automation efforts with real-time business workflows and regulatory compliance requirements.
- Actively participated in Agile ceremonies including sprint planning, automation demos, and retrospectives, showcasing automation impact on product quality and release readiness.

WORK EXPERIRNCE:

AXIS MAXLIFE INSURANCE LTD   JAN 2021 – JAN 2023

QA Analyst

Project: AXIS Maxlife Insurance – Manual Testing

- Performed end-to-end manual testing on core insurance workflows such as policy creation, premium calculations, claims processing, and renewals, ensuring accuracy and smooth customer experience.
- Conducted detailed UI and functional validations for policy dashboards, claim forms, premium calculators, and customer profile modules across multiple devices and browsers.
- Prepared diverse data sets for data-driven testing covering policy types, coverage plans, claim categories, and payment modes to validate multiple input and boundary scenarios.
- Executed cross-browser and cross-device testing manually across Chrome, Firefox, Edge, and mobile platforms to ensure consistent performance and usability across environments.
- Validated REST API responses for policy details, claim submissions, and premium calculations using Postman, cross-verifying the data flow with backend systems for accuracy.
- Performed regression, sanity, and smoke testing for frequent product releases to ensure stability of key modules such as claim approvals, policy renewals, and endorsements.
- Collaborated with underwriting teams, BAs, and developers to verify compliance workflows, validation rules, and insurance regulatory requirements throughout the SDLC.
- Logged and tracked defects in JIRA, providing detailed reproduction steps, screenshots, and coordinating closely with developers for quick resolution.
- Participated in Agile ceremonies such as sprint reviews, backlog grooming, and stand-up meetings, ensuring test cases aligned with evolving business and regulatory priorities.
- Supported UAT and release readiness activities by validating end-to-end insurance transactions in staging and pre-production environments before customer rollout.

ACADEMIC HISTORY:

Paavai Engineering College - 2014 Anna University

Master of Degree in **M.SC** – Software Engineering (Integrated)