Alekhya Macharla

SDET | Senior Software Developer in Test

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📍 London, UK

Notice : 1 month
Visa: No Sponsorship required

Apercu

Around **7** years of experience as a SDET. Test Analyst performing manual, automation, performance, accessibility and security testing of applications in the various environments using different Automation tools.

- Delivered test automation solutions for leading global clients including **Virgin Media O2, Warner Bros, KingFisher, Volvo, Cigna** and **Google Maps**.
- Expertise in **automating UI and API test suites** using industry-standard tools such as **Cypress, Selenium, Postman**, and **Cucumber**, with a focus on performance, maintainability, and speed.
- Strong command of **framework design**, implementation, and maintenance for **Web, RESTful APIs, and Microservices**.
- Experienced in **BDD-driven testing** with Cucumber and continuous integration using **GitHub Actions, GitLab CI**, and **Jenkins**.
- Practiced in **blue-green deployments**, **synthetic monitoring**, and production-ready test validations.
- Proficient in **test lifecycle governance**, including **test estimation, risk analysis, planning, execution**, and **defect triage**
- Integrated **LambdaTest** for cross-browser compatibility validation in distributed test environments.
- Advanced practitioner in **accessibility testing**, ensuring compliance with WCAG standards across all digital journeys.
- Actively contributes to **CRO (Conversion Rate Optimization)** programs by validating **A/B and Multi-Armed Bandit experiments** using **Optimizely**, with a focus on accessibility and behavioral accuracy.
- Effective communicator and collaborator, consistently aligning QA strategy with cross-functional teams via detailed documentation in **Confluence** and clear reporting in **JIRA.**
- Preparing and sharing the closure reports and getting the signoff from stakeholders on test deliverables.

Skills

Automation Tools: Cypress, Selenium, Postman, Cucumber, LambdaTest
Test Management & Monitoring: Xray, Synthetic Monitoring, Optimizely
Test Frameworks: JUnit, Mocha, BDD (Cucumber), TDD
CI/CD & DevOps: GitLab CI, GitHub Actions, Jenkins, Docker
Languages: JavaScript, TypeScript, Java
Application Types: Web, API-based, Microservices
Accessibility Testing: Manual audits, Axe-core, WCAG compliance
CRO & Experimentation: A/B & Multi-Armed Bandit testing using Optimizely
Agile Tooling: JIRA, Confluence
Source Control, Markup & Scripting: Git, GitLab, HTML, JSON, YAML, CSS

Experience

Virgin Media O2, UK

February 2023 – Present | London, UK

Key Responsibilities:

- Spearheaded end-to-end automation of high-traffic Offers and In-life Store pages using JavaScript, Cypress, and LambdaTest.
- Established and maintained robust accessibility testing frameworks across customer journeys, including CRO experiment flows.
- Ensured high delivery standards by maintaining consistently green CI pipelines within GitLab CI/CD workflows.
- Authored comprehensive test strategies and technical documentation in Confluence to support cross-functional collaboration.
- Designed, executed, and maintained scalable regression test suites aligned with release and sprint cycles.
- Integrated synthetic monitoring to proactively identify and mitigate issues in production environments.
- Supported blue-green deployment processes with automated test coverage to ensure zero-downtime releases.
- Designed and managed Xray test cases and built dashboards to provide real-time insights into test execution and quality metrics.
- Led QA efforts for data-driven CRO experiments, including A/B and Multi-Armed Bandit testing, using Optimizely.
- Conducted accessibility audits and implemented remediations to ensure compliance with industry standards across all test variants.

Tata Consultancy Services, UK

December 2021 - July 2022, London, UK

Capgemini Pvt. Ltd, India

September 2019- June 2021, Bengaluru, India

Arteria Technologies Pvt Ltd, India

July 2018 - September 2019, Bengaluru, India

Intelenet Global Services, India

March 2016 - May 2017, Hyderabad, India

Education

Bachelors of Technology– Electronics & Communication Engineering

July 2011 - May 2015,

Hyderabad, India

JNTU UNIVERSITY

Interests

- Vlogging, Video Editing and Visual graphics
- Outdoor activities and events
- Traveling