

Dinesh Nimmala

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SUMMARY

Highly skilled and detail-oriented **Software Development Engineer in Test** (SDET) with 4+ years of experience in Quality Engineering (QE), specializing in automation for Web, API, Mobile and Cloud-based applications. Expertise in Core Java, BDD (Cucumber, TestNG, JUnit), Selenium, Rest Assured, Appium and modern frameworks. Strong knowledge of CI/CD, AWS deployments and containerization testing. Proficient in collaborating across teams to drive quality at all stages of the SDLC.

PROFESSIONAL EXPERIENCE

Verizon | SDET II

OCT-23 to Present

- Designed and implemented comprehensive automation suites for front-end and back-end quality engineering activities, including unit, integration, system and regression testing using Selenium, Rest Assured with frameworks like Cucumber BDD and TestNG.
- Collaborated with cross-functional teams, including database administrators, business analysts, and developers, to translate complex system specifications into detailed test requirements and methods.
- Engaged with database administrators, business analysts and developers to translate complex system specifications related to API, UI, non-functional, functional and integration testing. As a part of Cross-Functional Collaboration with software out sourcing teams and juniors in the process of overseeing or mentoring for domain level.
- Configured automation frameworks with Maven/Gradle and performed microservices testing by validating REST/GraphQL APIs and ensuring reliable service interactions in CI/CD pipeline.
- Hands-on experience in microservices validation using REST and GraphQL APIs within Spring Boot-based architecture, following Agile and CI/CD practices (Jenkins, Maven, Rally).
- Demonstrated capability in API testing, functional data validation and integration testing to ensure comprehensive coverage and system reliability without any data.
- Actively assessed and incorporated modern testing tools, including the effective utilization of Gen AI tools like Copilot and Google Gemini, to optimize workflows and improve testing accuracy across projects.
- Expertly leveraged SQL (update functionalities in Oracle SQL) to validate database data against UI and API responses, ensuring comprehensive data consistency and integrity based on designed schema.
- Developed and managed Jenkins freestyle pipelines, including triggering jobs via Jenkins extension files and adeptly performed root cause analysis for builds & test failures in different environments, operating system like LINUX and Windows.
- Integrated Grafana dashboards with test execution metrics and system performance logs to provide real-time visualization and alerting through slack & email for automated test deployment through Jenkins pipeline.

AMD | CONTINGET

SEPT-2021 to SEPT - 2023

- Automated the AMD Adrenalin GPU control panel using Ranorex, leveraging custom packages and DLL files to enhance test coverage.
- Worked in understanding way of testing lifecycle, QA process & terminology on graphic devices, drivers and multimedia of silicon's industries in different configurational setups.
- Working knowledge in UI and Data (Athena) automation scripts designing, develop, debug using in an automation lab with different configuration of CPU's & GPUs to do functional, integrate and data testing.
- Automated the collection of application usage data using a C# .NET library and data validation tools to enhance feature quality and innovation.
- Utilized Apache Hadoop and distributed computing to process and analyze large-scale server data in parallel with functional application execution.

SKILLS

- **Programming languages:** - Core Java, C#, SQL(DQL), Python (working knowledge)
- **Tools and Libraries:** - Selenium, Appium, Rest Assured, Playwright and Ranorex.
- **Frameworks:** - J unit, Dot Net, Cucumber BDD, Serenity BDD, Data Driven and TestNG.
- **Other Tools & Packages:** - Git Lab, Visual studio, Eclipse, Jira with Confluence, Postgres, Q Test, Jenkins, Kubernetes (exposure), Jenkins, Maven, Grafana & Postman.

EDUCATION

Bachelor of Technology - KG Reddy College of Engineering and Technology - EEE (2017-2020) | Hyderabad, Telangana

CERTIFICATIONS

- ISTQB Foundation Level Certified Tester.