

We modernized the engineering processes for an emerging player in digital marketing space and achieved continuous testing thereby providing much faster feedback to development team. We also trained their QA team to automate their product-lines on their own.

Business Problem

- QA Team was not technically skilled for test automation
- Due to manual activities QA Team's capacity was constrained
- Effort intensive manual process for test data creation.
- No traceability of test data with test case.
- Insufficient and time consuming manual unit tests.
- Manual and error prone build process.

Action Taken

- QA Team was trained on Java, Selenium and API Testing
- In parallel, a test automation framework was designed with for both - unit and UI/ DB test automation.
- Test data creation was automated with one time effort to design test data for all test cases which was pulled to DB for each build testing.
- Reusable Libraries – for UI, DB Testing and other utility libraries were designed and developed under our expert guidance.
- Continuous testing pipeline was conceptualized and designed by us using continuous integration tools

Result

- QA Team **was trained** to maintain and automate tests further.
- Manual test data creation was automated. **It saved 95% time and gave QA team** the bandwidth required to focus on more in-depth exploratory testing of their diverse product-line.
- With each push on source control repository, **build was automated, automated unit tests were executed** and dev team got quick feedback on the health check of components and their integration. **This reduced the time taken for unit testing manually by 98%.**
- Test Libraries are still being further developed and being consumed by testing team to automate one product at a time as per business priority