



Driving Quality and Reliability for modern mobile and web applications



Challenge & Test Requirements

- Build a modern application with mobile and web support for a ConsultTech customer
- Ensure application reliability and quality through UI and API testing
- Integrate automation testing into the CI/CD pipeline



Solution and Approach:

- Worked in agile mode alongside the development team to create test cases and architect an automation framework
- Created a selenium-python based framework for UI automation and pytest framework for API automation
- Utilized **aiTest** for automation test execution across multiple devices, browsers, and their versions
- Used **aiTest** to execute the API Postman collection for API quality validation and scale testing

ROI:

- Integration with the CI/CD pipeline ensured consistent testing on every build push to QA, pre-prod, and prod environments
- The customer receives updates on test execution status, success/failure status, and other analytics via Slack and email

Results

- 01 Successfully built a modern application with mobile and web support
- 02 Automation suite integrated into the CI/CD pipeline for consistent testing
- 03 Selenium-python based framework for UI automation and pytest framework for API automation ensured reliable testing
- 04 aiTest enabled automation testing across multiple devices, browsers, and their versions
- 05 Integration with Postman collection and execution helped to validate API quality and scale testing



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OUR ARCHITECT**



ABOUT AAIC

We are automation experts, with a majority (> 60%) of our workforce AWS-certified. We assist you in applying intelligence to the Cloud and DevOps, as our name suggests.

Our AWS certified experts create high-performing cloud apps by utilizing intelligent components and smart integrations to accelerate your digital transformation journey.

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