#Communications

80% Test Automation coverage for a Telecommunications services provider

The client is a British telecommunications provider, offering four multi award-winning services across the Broadband, TV, mobile, and home phone spectrum across the UK and Ireland.

The Need

With a mission to build 'connections that really matter', the telecom service provider strives to become a national connectivity champion. In this endeavor, the client constantly innovates and invests in cutting-edge customer-facing products. To deliver these products at an accelerated pace, they decided to adopt DevOps as the primary development methodology in their organization. Additionally, they were forming mergers with other industry leaders to expand their service capabilities.

To realize the true benefits of DevOps, and manage the inflow of major programmes, the client set about seeking an independent software testing services provider that had dedicated resources and rich experience in the QA and test automation domains.

Cigniti, being a focused Quality Assurance and Quality Engineering services provider, stood out from their list of potential vendors. Our deep and extensive strength in test automation and expertise across functional and non-functional testing services impressed the telecommunications provider. Further, the agility and flexibility in our way of delivering projects helped them make the final decision to choose us.

What did the client achieve?

80% Improvement in the test automation coverage	We implemented end-to-end test automation for the client's SD-WAN and UMSv2 applications by building an automation solution with Robot framework. Using this framework, we automated more than 250 test scripts across the applications, while performing end-to-end integration testing to ensure seamless functionality across modules. We were able to achieve optimal test coverage with executions across multiple browsers including Chrome, Firefox, Safari, Edge, and IE.
65% Reduction in the overall test efforts	An automated regression test suite was also built to be executed across releases, which considerably reduced the client's regression testing efforts.
30% Reduction in the script development time	To implement Continuous Integration in the client's DevOps pipeline, custom libraries were developed for integrating automation framework with Jenkins. An automated regression test suite was also built to be executed across releases, which considerably reduced the client's regression testing efforts.
20% Reduction in the design and maintenance efforts	Common, reusable Robot libraries were developed so that they can be used to automate other UI applications and APIs.

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About Cigniti

Cigniti is World's largest Independenrt Quality Engineering Services company, bringing the power of AI into Agile and DevOps, to accelerate enterprise digital transformation journey. We help world's leading enterprises build quality software and accelerate speed to market while lowering the overall cost of quality, and driving a huge positive impact to ROI from their QA, QE & Digital initiatives. Know how we play a pivotal role in the digital transformation journey of our clients. Visit www.cigniti.com and follow us @cigniti.

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