



TCoE: Consistently Delivering Positive Outcomes for Enterprises

Growing App Complexity & QA Criticality

In the current age of fierce competition, organizations are constantly pushing to reduce their costs while striving for greater market reach in quick time. As such, what businesses seek is technology-led solutions that enable them to stay cost-competitive while delivering high quality end user experiences.

The coming of new technologies such as information & analytics, cloud & virtualization, and mobility and social data is challenging enterprises across industries. While IT leaders and decision-makers fear being left out and getting knocked out, they still don't have substantiated application strategies in place to overcome their most critical IT challenges.

Organizations that are evaluating their current IT ecosystems and openly embracing newer technologies and emerging platforms, are ultimately going to be at an advantage. Those that fail to innovate and adapt to the rapidly changing IT landscape may struggle to remain relevant and subsequently perish.

For enterprises, re-evaluating and modernizing their application portfolios is critical – not only to survive the onslaught of altered market dynamics, but also to transform their business and tap the opportunities that lie ahead.

The Need for a Specialist Testing Approach

A lot of the enterprises with in-house testing teams commonly face cost, time and resource related challenges. This is especially the case for businesses that witness peak and low business cycles on a consistent basis. But the real challenge that businesses are confronted with is the rapidly changing applications ecosystem and user needs.

We at Astegic combine testing best-practices, total project management, and our information security assessed and capability maturity certified frameworks and models, to offer QA solutions for conventional and disruptive technologies.

Astegic's Independent Testing Services

At Astegic, we combine over 15 years of independent software QA experience with the most up-to-date tools and methodologies to offer tailored testing solutions. We have written more than 50,000 automation scripts and conducted over 800,000 test cases for clients across a vast number of industries, including Fortune 500 companies, federal government and non-profits. Our domain-specific knowledge spans across Consumer markets, Enterprise IT, eLearning, Healthcare, and Telecom sectors.

With more than 50 certified testers and over ten QA advisors, our dedicated experts understand the unique requirements from companies at all stages of growth; from start-ups to established corporations. By combining manual functional testing with world-class automation capabilities, we are proud to provide our diverse clientele with mobile, cloud based application solutions.

Astegic has a dedicated Testing Center of Excellence (TCoE), specializing in providing solutions across Mobile, Cloud and API testing.

Key Advantages of Our Specialist QA Services

Astegic offers the following strengths and differentiators that extend our position as a highly reliable QA software testing partner:

- Proven experience of combining manual functional testing with world-class automation capabilities across Mobile, Cloud, and API
- Test planning, design, and development of test cases following industry standards such as CMMI and ISO 9001
- Experience of successfully executing large-scale testing engagements, having written more than 50,000 automation scripts and conducted over 800,000 test cases
- Proven capabilities in setting up Accelerated Testing Centers of Excellence for Client Organizations
- Testing Centers of Excellence (TCoEs) comprising of: Automation CoE, Performance CoE, Security CoE, Data Validation & Verification Management CoE, and Performance & Load Testing CoE
- Domain-specific knowledge in the Consumer, Enterprise, e-Learning, Healthcare and Telecom sectors

Client Case Study

Testing complex and integrated business requirements for a US Healthcare company:

Business Requirement	Client's Challenge	Key Benefits Delivered
<ul style="list-style-type: none"> • Accelerate time to market for kiosk-desktop application to be installed at practice locations • Test integration functionality that allows patients to book appointments and make medical claims for treatment with their insurance company • Centralize patient records and data across various practice locations through kiosk application 	<ul style="list-style-type: none"> • Testing multiple front-end interfaces, web-services, and multiple databases required specialist QA tools and technical expertise • Reducing testing effort with uncompromising results • Testing data migration and interfaces for connected databases on the cloud 	<ul style="list-style-type: none"> • Built complete automation scripts reducing testing time to a third of manual testing time • Automation and execution of over 20,000 test cases with multiple Databases and multiple front-end interfaces • Tested Information synchronization from local database to cloud database, and from cloud server to master database

Our Approach

At Astegic, we have developed a testing strategy that can be applied to any project without compromising on testing results:

Analyze	Engage	Execute
Clearly establish key metrics including ROI, deliverables, testing measurements, reporting, tracking, and role management	Recommend an effective mix of automated, manual, and performance testing, in order to provide accurate and scientific test results to client	Run a thorough test analysis and issue-resolution cycle iteratively to focus on targeting the most debilitating defects first, then addressing minor ones

Benefits Delivered

As an established QA testing provider with close to two decades of experience, Astegic understands the opportunities and challenges arising from Testing and Quality Assurance. And so we take a proven approach to QA testing and offer industrialized and structured software testing solutions. Our testing services maximize return on IT investment and consistently deliver tangible benefits to organizations.

Astegic takes pride in achieving:

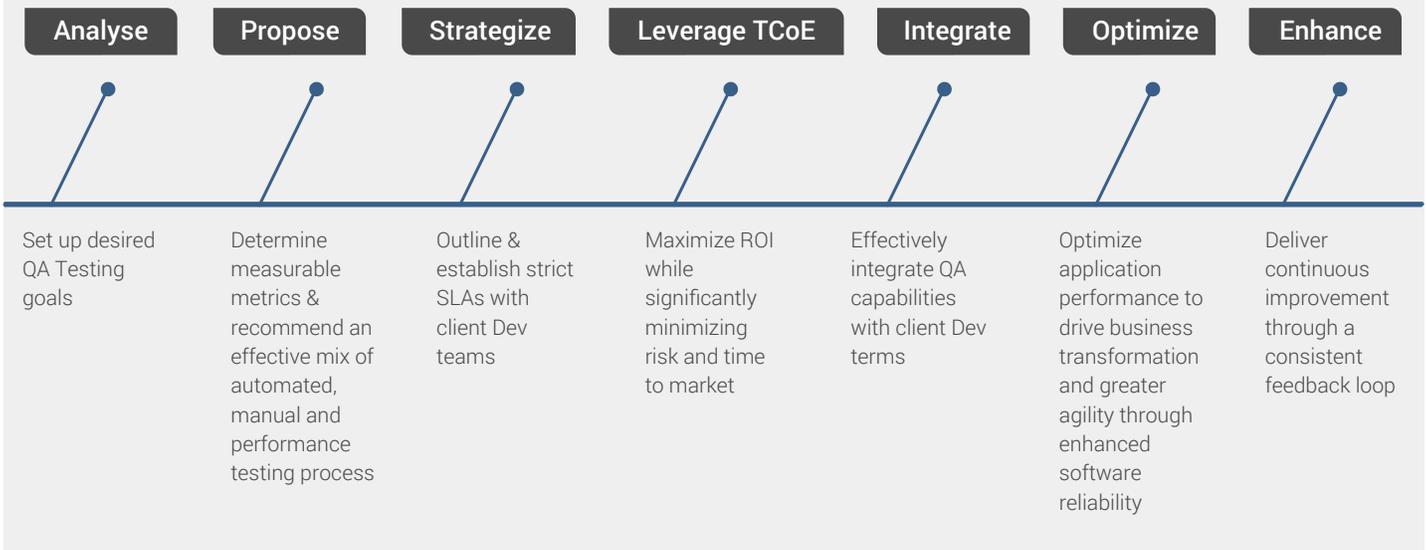
- Saving in 40-50% in QA time and test operational costs through Automation
- Up to 50% productivity improvements
- Up to 97% reduction in high-severity defects reaching production
- Up to 25% accelerated time to market
- Significantly mitigated technical and business risks
- 99% client retention

QA Services Overview

Astegic engages with your business to help you achieve your goals by servicing your QA needs. Our independent testing portfolio specializes in the areas of:

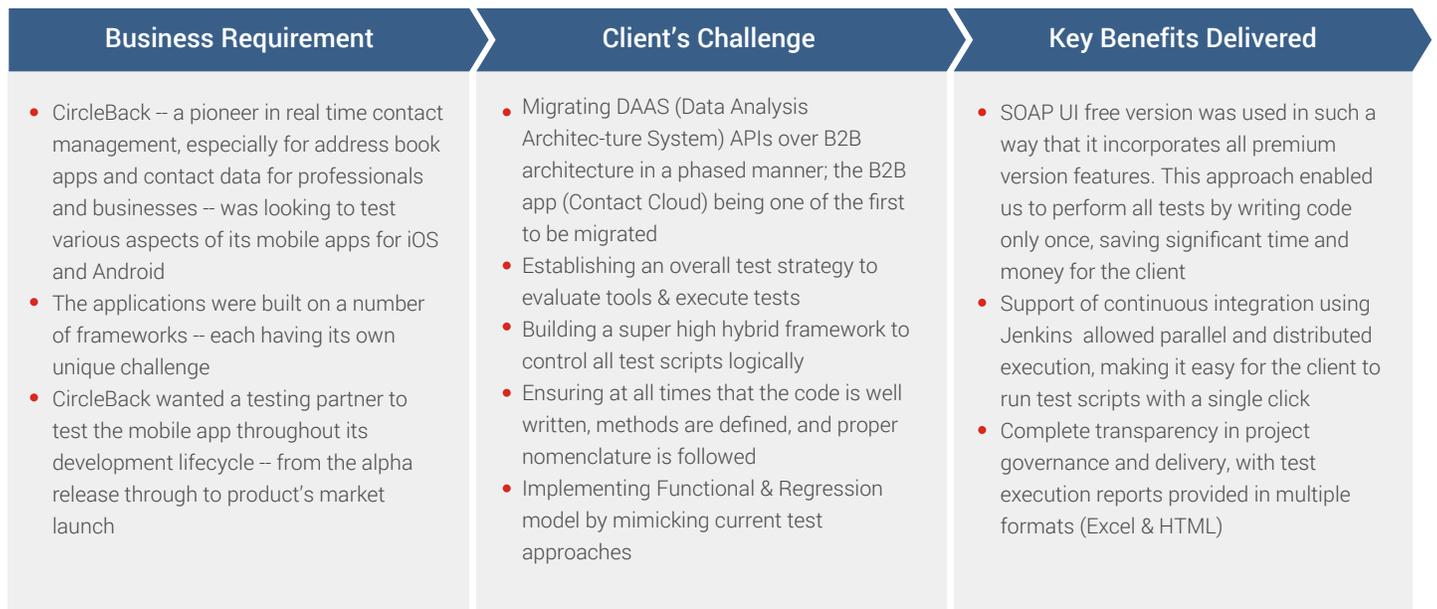
- **Mobile:** Our Mobile Testing validates applications on our vast selection of iOS and Android devices. Our experts design a plan that smoke tests our client’s software and business logic with our simulators and emulators, and then test client software against real devices for hardware functions like location, screen actions, sound, Bluetooth, and WIFI.
- **Cloud:** Our Cloud Testing services include testing to safeguard the availability and reliability of mission-critical business processes, data; as well as testing non-functional areas such as performance testing, load testing, overload control, and performance acceleration during all stages of migration.
- **API:** Our Application Programming Interface (API) testing focuses specifically on the proficiency, reliability, functionality, and usability of our client’s software. API testing is designed to make sure that our client’s software runs in an increasingly seamless and efficient manner. We plan our tests by taking into consideration the software’s environment, infrastructure, and dependencies.

Test Strategy & Engagement



Client Case Study

Astegic implements automation test scripts to efficiently reduce regression time for CircleBack:



Client Case Study

Astegic delivers superior customer satisfaction, faster turnaround times, and significant cost-savings for DubLabs:

Business Requirement	Client's Challenge	Key Benefits Delivered
<ul style="list-style-type: none"> The client was developing a Campus Access product for more than 200 schools, and frequently making changes in their build. However, they wanted newly incorporated functionality to be quickly tested and market-ready The client wanted to test their web application in quick time using functional automation tools 	<ul style="list-style-type: none"> Automating testing and rolling out frequent additions/changes to core functional business workflows of the web portal Testing and validating that the changes meet business needs The portal had multiple user roles (Admin/Partner/Client), and further, business functions by roles – all requiring verification and validation 	<ul style="list-style-type: none"> Accelerated time to market by automating the web portal testing process and minimizing production deployment delays – delivering a 30% improvement in time-to-market Achieved 5% reduction in the number of bugs Achieved 10% reduction in cost of testing through test automation

Outsourced Independent Testing Solutions

Astegic offers flexible engagement models to best suit diverse client requirements. Our Outsourced Testing solutions leverage expertise in specialist verticals with deep focus on quality assurance in software functionality.

Our total project management and ISO 9001-2008 and CMMI ML2 Certified processes ensure high-quality service delivery with guaranteed quality assurance in software development and performance.

Our QA services

Astegic offers a comprehensive suite of Testing & Quality Assurance Services, providing Test Management, Test Automation, Test Process Improvement, Performance Testing and Advisory.

Talk to us to learn more about Astegic's QA Services [➔](#)

Choice of Engagement Models

Astegic takes a technology and software vendor agnostic approach to software testing. Our software testing solutions are technology / tool independent. Therefore, our testing offerings can be tailored to meet diverse business needs for small to large businesses with uncompromising results.

Client Engagement Models			
Sourcing Models	Co-ownership	Managed Services	TaaS
Engagement Approach	Consulting	Project Based	TCoE
Delivery Options	Onsite	Offshore	Near-shore
Commercial Models	T&M	Fixed-bid	Hybrid



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About Astegic

Astegic is a US-based Quality Assurance (QA) company with its offshore global delivery center in India. For 15 years, Astegic has been helping Fortune 500 through startup companies with their Testing & QA needs. With our in-depth experience across a wide range of industries, our clients receive innovative and best-in-class service and solutions. We offer near 24/7 rapid service from both Astegic's US and India based testing operations. Astegic has a dedicated Testing Center of Excellence (TCoE), specializing in providing solutions across Mobile, Cloud and API testing.