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Quality Engineering (QE) Transformation for FS

Sira Sissoko : 4-5 minutes : 5/15/2024

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Capgemini's **Quality Engineering and Testing (QE&T)** services provide an enhanced customer experience and faster speed-to-market, while ensuring an optimal quality and business performance for organizations looking to leverage QE and automation services by adopting newer methods to stay ahead in the market while transforming their IT models / businesses services. Our QE strategy is driven by the principle of first-time-right delivery, improve productivity and process excellence with an objective to become the trusted **QE-partner-of-choice** for our clients.

Elevator Pitch

Definition: QE Transformation shifts organizations from simply testing software systems to being the *custodians of quality*. While continuing to test systems, they also contribute to *shift left and shift right* activities through the development and maintenance of assets leveraged by the development and production support teams. Supporting this transformation are new technologies **analytics** and **automation**

Barriers: The main barriers to QE Transformation are *testing seen as a commodity* vs. a strategic activity, lack of adoption of newer techniques, lack of client vision and complacency

Did You Know? We helped Morgan Stanley achieve *37% cost savings* over a 5-yr period through automation, optimization and workforce transformation

Did You Know? We increased automated regression coverage to *>90%* and improved Test Effectiveness to *>95%* for Morgan Stanley

Best-in-class partnerships: Open Text (Micro Focus), Plutora, Nutanix, Tricentis, Microsoft, AWS, Guidewire

Why Capgemini? Capgemini methods help *world-renowned clients* find solutions to their most demanding Quality Engineering challenges. Capgemini has a dedicated team of *SDETs* focused on analyzing industry trends and developing **cutting edge technology** solutions, integrating *AI/ML* and *DevOps* principles into mainstream Quality Engineering processes. Complimenting our Engineering team with **best-in-class test professionals** *(36,000+ globally),* we are a go-to partner for your clients Test Transformation journey.

External Recognition:
"World Leader in Testing" for our capabilities in QA space - *NelsonHall and Gartner*
"Best Advancing Software Testing Practice Award" at the *European Software Testing Award* in London

Our Offer Stack:
Transform testing functions from traditional quality assurance services to DevOps integrated quality engineering organizations through *low code, no code* frameworks, *GEN AI, AI/ML* and *people transformation*

1. *Advisory services:* Maturity assessment, Build quality engineering transformation roadmaps
2. *Life cycle testing services:* Functional, Automation, Specialized testing services, Test Environment Management(TEM) and Test Data Management(TDM)
3. *Next Gen:* AL ML, Analytics, Gen AI in Testing
4. *Assets:* Accelerators and tools built on open source to asset test design, optimization, execution and reporting

Business Goal

Business Vision

- **Our Quality Engineering Transformation Service provides an end-to-end solution to transform enterprises from being 'quality assurance' organizations to 'quality engineering' organizations.**
- **Our services encompasses advisory services, tools, methods and technology assets to transform with the objective of improving speed to market and reducing costs.**
- **Our QE transformation services use automation, machine learning, agile methodology and proven accelerators to transform the testing landscape of our clients.**

Business Value

- **Fresher upskilling to build competency pipeline and lean model**
- **Cross-skilling to strengthen IMS, Cloud P&C and Cloud Operation solutions capabilities**
- **Pre-Approved, Self-Service "Gold Standard" Rate Card to drastically reduce effort from ADE and Approvers**
- **AUTOMATE driven intelligent operations and analytics**

Business Challenges

The speed of testing is one of the biggest impediments in delivering business and digital transformation initiatives at a quick speed. Traditional testing methods are not being able to keep up the pace with the high speed needed to market products and services in today's rapid and competitive world. The traditional testing ecosystem needs to transform to become more intelligent, accurate, and fast using AI-driven testing platforms and machine learning algorithms to match the needs of the business.

Overview

Capgemini provides a complete end-to-end service to transform testing functions from traditional quality assurance services to quality engineering organizations.

Key Components :

- **Advisory services : To build quality engineering transformation roadmaps.**
- **Life cycle testing services : Functional, Automation, Specialized testing services, Test Environment Management (TEM) and Test Data Management(TDM).**
- **Assets : Accelerators and tools built on open source and commercial platforms to enable continuous quality.**

Read More in the BOMS BATTLECARD in the Key Documents section below

Key documents

BOMS BATTLECARD – Quality Engineering Transformation – Apr 2024

OVERVIEW – Quality Engineering Transformation – Apr 2024

CASE STUDY BOOKLET AND APPROACH – Quality Engineering Transformation – Apr 2024

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GTM Tools that are available to better manage your Sales Campaign

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