



Testing & Quality Engineering Services

Delivering Business Value with Continuous Testing in an Agile Environment

Verification of stability and performance of the application

Challenges:

- Review current application performance to make balanced decisions about improvements
- Identify bottlenecks that limit application performance
- Optimize application and infrastructure performance
- Improve performance testing processes and approaches
- Prevent downtimes and save your reputation and revenue

What we can do:

- Assist in defining target NFR: types, sources, conditions, values
- Consult on setup/improvement of Performance Framework and Process
- Proof-of-Concept for Performance/Load Framework Implementation
- Performance Testing Education
- Initial Cycle of Load Testing Services
- Performance/Capacity/Stress/Endurance/Volume Testing

Analysis of QA Tools, Processes, and Approach to suggest and implement the best practices

Challenges:

- Review processes, project/product specifications
- Support Agile Development and Agile Teams
- Select and integrate tools in application development and maintenance
- Assess, adjust and create test team structure, set up a test team
- Provide expertise regarding platform testing type, technologies

What we can do:

- Test Advisory, QA Consulting, QA Audit
- QA Management Oversight
- Tools Selection as a Service
- QA Manager of Demand Services
- Test Teams Organization from Interviewing to scaling
- Custom Test Advisory

Searching for vulnerabilities in apps to ensure they are safe and secure for users

Challenges:

- Improve your reputation
- Protect your customers from negative experiences
- Analyze your applications for weaknesses, technical flaws, or vulnerabilities
- Reveal areas of security you need to invest in
- Ensure that you are properly prepared for GDPR, and other data protection or privacy regulations

What we can do:

- Penetration Testing of PCI DSS Compliance audit scope
- Source Code Analysis
- Secure SDLC Implementation
- Security Education for QA Engineers and/or Developers
- Infrastructure Security Testing
- Web Services / API Security Testing
- Social Engineering Attacks Security Testing

Automation of routine testing activities to effectively use time & resources

Challenges:

- Application Readiness
- Implementation time
- Execution time
- Result Consumption
- Root-cause analysis
- Maintenance

What we can do:

- Automation Testing
- Review of Existing Automation Framework and Process
- Proof-of-Concept
- Automation Services for Web Apps/Mobile Apps/API Testing



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Thorough manual comparison of delivered products with requirements

Challenges:

- Verify that tested solutions correspond to requirements, applicable quality standards
- Prevent defects on all development phases, supported platforms, and environments
- Validate that the product meets the end-user expectations from functional and nonfunctional points of view

What we can do:

- Test Strategy creation
- Tool selection and configuration
- Select applications and areas to be tested
- Define testing types
- Review requirements from the QA side
- Write test cases, checklists
- Test execution
- Defect tracking
- Test reporting process

Our Approach

**QA Audit Research
& Plan**

~1-4 weeks

Prioritized improvements
Roadmap/plan

Technical Consulting

~2-8 weeks

Setup QA processes, approaches,
frameworks, tools and learn

**Serving Supporting
Monitor
& Adjust Educating**

~1-N months

QA maturity and
full independency



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Manual Functional

- Traceability Matrix
- Test design approach
- Test coverage approach
- Definition of Done format
- Quality metrics suite
- Vertical-specific Test Strategies
- ISTQB-based artifacts
- Test Approach
- Test Plan
- Regression Testing Report
- Test Configurations selection
- Test summary Sprint, Release reports
- TMMi-based audit plans
- Test Estimation template
- Test Execution schedule
- Test Case Flow diagram
- Vertical-specific Checklists
- Audit & Review Checklist
- Device lab

Test Advisory and Consulting

- Advanced Reporting
- Automated Testing Library
- Automated Performance Framework
- Security Reporting System
- Mobile devices Lib
- Accelerators storage
- Quality metrics suite
- TMMi improvement model
- TMMi, Agile, DevOps-based Test Management approach

Test Automation

- Integration with Test Management systems
- Advanced Reporting libs
- TMMi-based audit model
- Infrastructure as a code
- Cloud integrations accelerators
- Reference architecture
- Web-, Mobile- Test Automation Architecture
- Device lab

Load & Performance

- Evolve Squads framework-based
- Standard Jmeter based Grafana reporting
- Reporting portal with advanced metrics
- Comparison of trends and metrics dashboard
- Checkpoint service
- Domain-Specific Language (DSL)
- AWS environment management

Cyber Security

- DAST, SAST approach
- Penetration Testing approach
- Certification-specific security assessments approach
- Security Project onboarding framework
- OWASP-based education materials
- Unified Security Assessment report
- Advanced Reporting System

Capabilities

Automation QA

Lead & Performance QA

Security QA

Test Advisory, Test Management & Consulting

Manual Functional Testing



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