

NeoSOFT®

Capabilities

Quality Assurance



About Us

Overview



4000+
Employees



10
Global Offices



9
Development
Centers



Office Space
1,00,000+ Sq.ft.

Clientele



1500+
Clients



50+
Countries



85%
Clients Retention



Industry Verticals
22+

Achievements



2000+
Products Engineered



1500+
Applications
Developed



12+
Awards



20+
Million Development
Hours

Partners



25+
YEARS OF
EXCELLENCE



CMMI DEV/5

Certified To Deliver Quality



ISO

9001:2015
Quality Management

ISO

27001:2013
Information Security

ISO

20000-1:2011
IT Management

ISO

22301:2012
Business Continuity
Management

Our Capabilities



Functional Testing



Performance Testing



Reliability Testing



Accessibility Testing



Security Testing



Native Apps Testing



Regression Testing



Load & Stress Testing



UI Testing

Our Expertise

We help businesses wherever they are in their digital journey. From consulting for a **digital transformation** to carving out a **technology roadmap**. Our expertise helps you to **drive ROI** from your digital initiatives.

Digital Transformation

UX/UI Consulting

Web & Mobility Solutions

Enterprise API Management

RPA

Legacy Modernization

Digital Product Engineering

Custom Software Engineering

QA Services

Maintenance

Managed Services

Infrastructure & IT Operations

Cloud Consulting

DevSecOps

Cloud Migration

Cloud Management

Data Management & Analytics

Data Engineering

Governance

B.I. & Analytics

Artificial Intelligence

M.L. Models

Model Generation

M.L. Ops

Data Science

Internet of Things

IoT Consulting

Software Defined Features

IoT Applications

Innovation Lab

MVP & POCs

Rapid Prototyping

Emerging Tech

Team Augmentation

Solution Architects

B.A.

Developers

Data Scientists

What We Do

Team Augmentation

A team of 4000+ Battle Tested engineers across 100+ Different Stacks.

We are your Digital Factory, dedicated teams to supercharge your development throughput.

0 Operational Overheads.

Agile & On Demand.

Fixed Scope

We offer meticulously crafted project specifications and timelines for cutting-edge development, seamless integrations and feature-rich solutions.

The NeoSOFT approach ensures your projects are delivered with precision and excellence.

Managed Services

Our IMS services helps enterprises to run Business as usual.

With strong SLA driven services, 24x7 Support, Governance and Technology expertise, we help to optimize processes and costs.

Our Quality Assurance Services

01.

QA Consulting

- Testing strategy & implementation
- Test plan creation & verification
- Testing pipeline development
- BDD & TDD
- DevOps practices
- Automation

02.

Infrastructure Testing

- Cloud adoption/adaptation testing
- Availability testing
- Compute/network/ storage testing
- DevOps & CI/CD enablement
- System resilience & process testing
- Infrastructure security

03.

Digital Testing

- Web UI
- Mobile functionality
- Configuration testing
- Load balancer testing
- SMAC (Social, Mobile, Analytics, Cloud) testing
- Security testing
- Third party integration testing

04.

Specialized Testing

- Emerging technologies – blockchain, hybrid apps, AR/VR etc.
- Configuration management
- Pre-emptive testing
- Hazard mitigation
- VAPT Testing

05.

Data QA

- Data accessibility, quality, validity, integrity testing
- Database configuration validation
- Storage testing
- Table & column testing
- Schema testing
- Trigger testing
- Black box & white box testing
- Database backup testing

06.

Testing Automation

- Automation of unit/ integration/ smoke/performance testing
- Code analysis automation
- ChatOps
- Sustaining Agile processes
- End-to-end testing automation

07.

Managed QA Services

- End-to-end managed testing & Quality Assurance
- Customized testing methodologies
- Expertise with various testing tools
- Readily deployable talent
- Compliance with governance policies/standards

QA Tools we use

Performance & Load Testing Tools

- Apache JMeter
- HP LoadRunner
- HP StormRunner
- NeoLoad
- LoadImpact
- WebLOAD
- LoadUI NG Pro
- LoadView
- AppLoader
- Appvance
- SmartMeter.io
- Rational performance tester
- LoadComplete
- LoadStorm
- Httpperf
- BlazeMeter
- Load Multiplier
- Loader.io

Security Testing Tools

- SQLMap
- Websecurify
- Safe3 Scanner
- Samurai Framework
- Nikto
- Aircrack
- OpenVAS
- Metasploit
- Nmap
- Wireshark

Bug Reporting Tools

- Atlassian JIRA
- Mantis
- Bugzilla
- Plutora Test
- Backlog
- Trac
- Redmine
- HP ALM
- FogBugz
- IBM Rational ClearQuest
- Lighthouse
- BugNET
- eTraxis
- Team foundation server

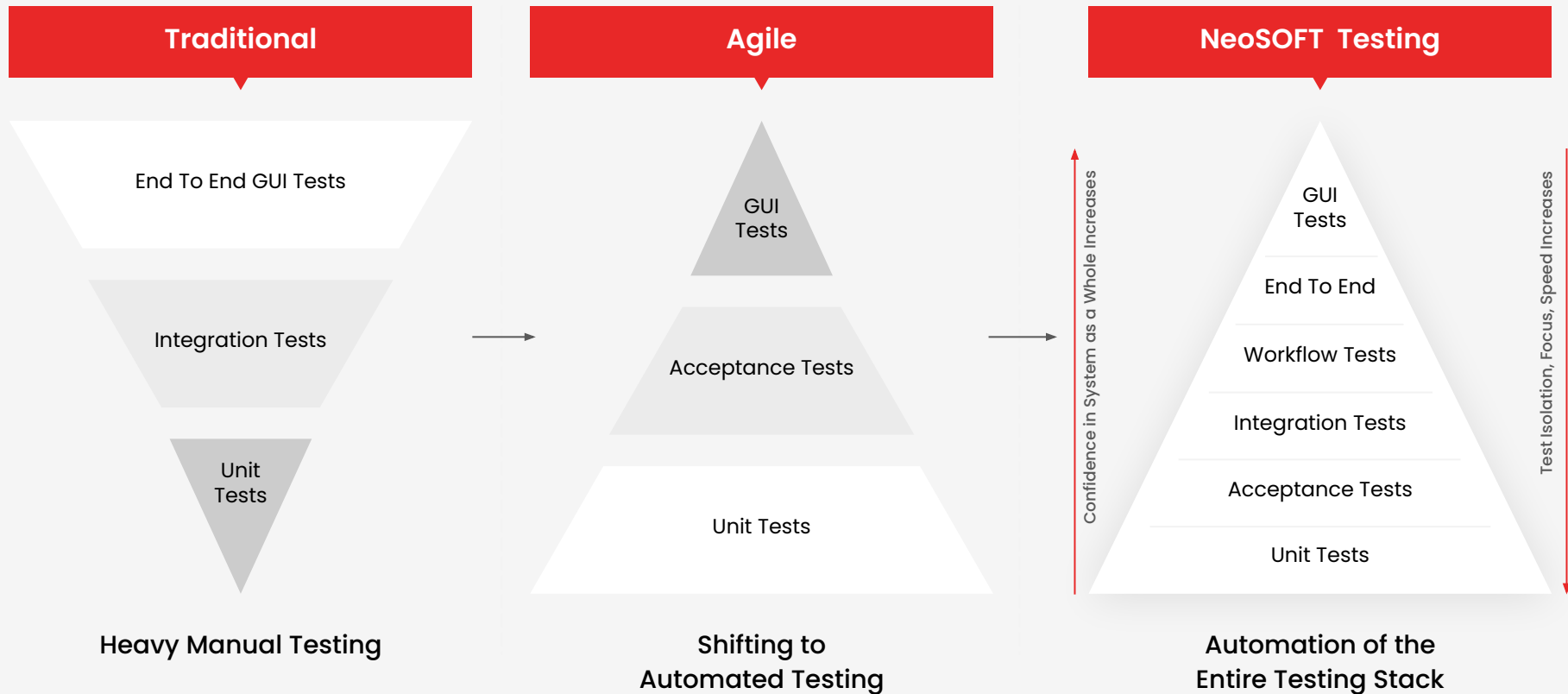
Automation Testing Tools

- Appium
- MonkeyTalk
- Robotium
- UI Automator
- Selenium
- Cucumber
- Silk Test
- Eggplant
- RSpec

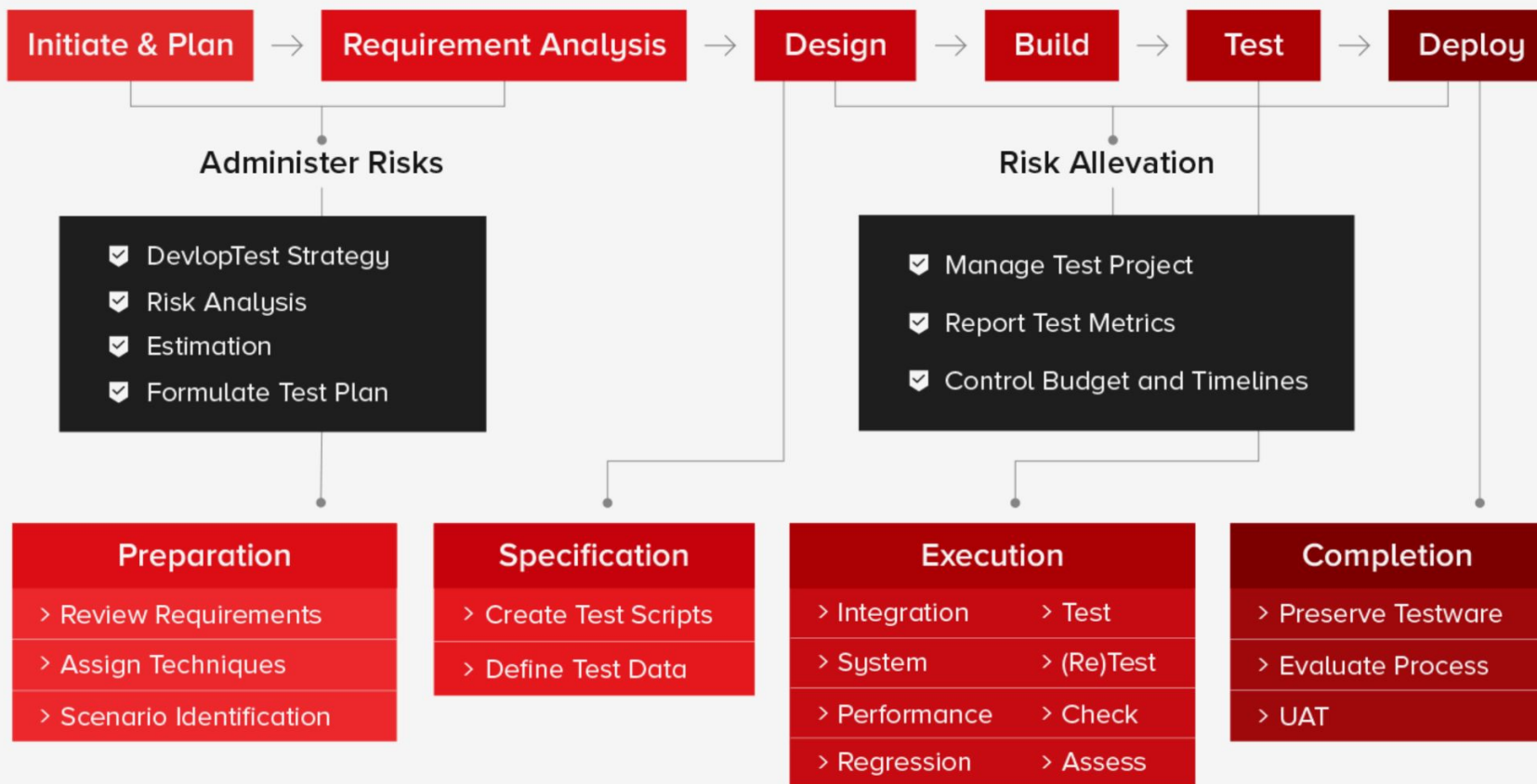
Programming Languages

- C/C++
- Java
- SQL
- Python
- Perl
- XML
- HTML / CSS

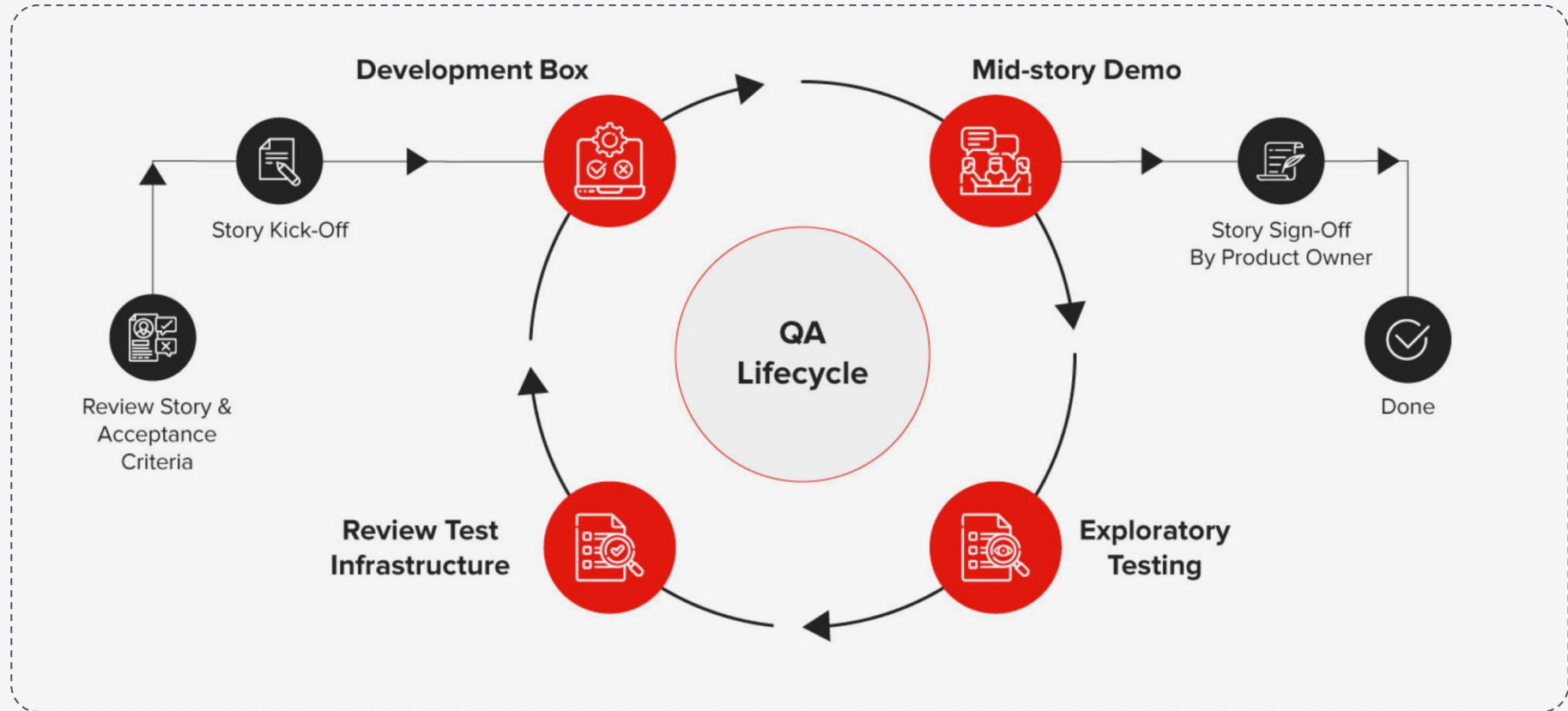
The NeoSOFT Edge



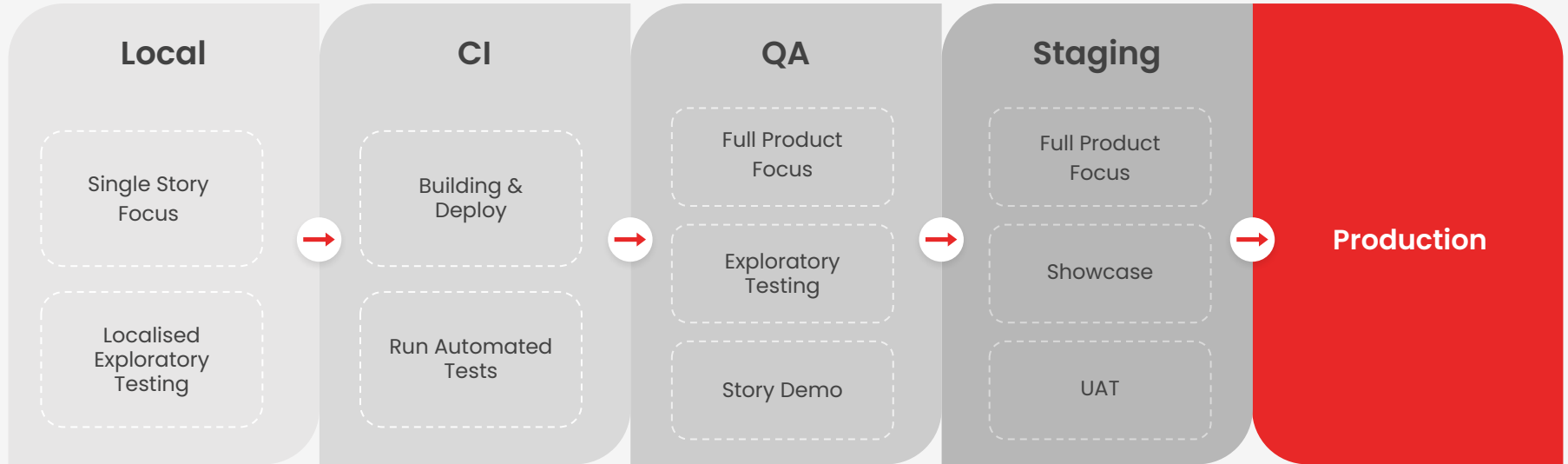
Our Approach



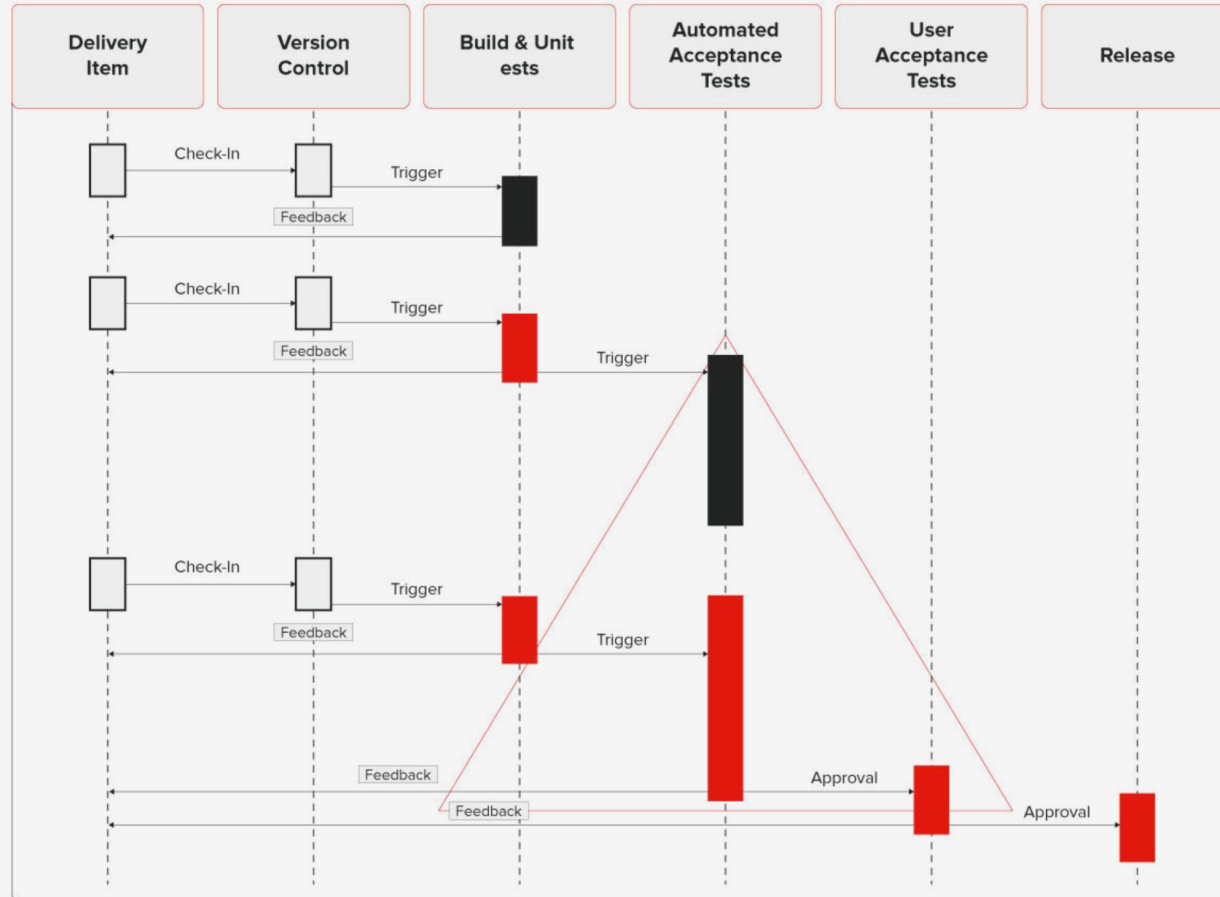
The QA Lifecycle



Multi-Stage Validation



Our Process



Selected Clientele

Deloitte.



BCG



McKinsey
& Company



ebay



T Mobile



Forbes



Moët Hennessy



Zimmer



SONY



VOGUE





Case Studies

A UK-based Global Telecom Giant

Provided a comprehensive automated testing solution for the cloud-based web platform.

Performance Testing

QA Documentation

Cloud Infrastructure Management

Functional Testing

Outcomes

80% Faster Data Processing

- Enabled the platform to process large data volumes faster than traditional methods, improving overall efficiency and decision-making speed.

4x Reduced Testing Costs

- Significantly reduced manual efforts, resulting in a substantial decrease in testing costs.

65% Enhanced System Scalability

- Ensured the platform could seamlessly scale with increasing data volumes without compromising performance.

Solutioning

Challenges

- Handling massive and growing amounts of data without compromising performance.
- Ensuring the testing framework can handle automated testing as the platform evolves.
- Integrating data from various unstructured sources such as social media, which requires real-time processing and cleaning.

Technical Spotlight

- Leveraged Amazon Redshift's columnar database structure for efficient data handling.
- Built automated testing scripts with Selenium and POM, reducing manual effort and ensuring consistent quality.
- Used Python scripts to handle unstructured data, integrating it with Spark for transformation and cleaning before processing.

Solution Highlights

- Optimized large-scale data handling, ensuring efficient data management and quick access as the user base grows.
- Reduced manual testing efforts, accelerated development, and maintained high-quality standards.
- Allowed for efficient handling of unstructured data, integrating it seamlessly into the data pipeline for further analysis.

Tech Stack



A Tech-driven Organization Developing Innovative Learning Solutions

Conducted comprehensive server-side API testing, code coverage, and load testing.

Performance Testing

QA Documentation

Scripting

Load Testing

Outcomes

3x Enhanced System Performance

- Reduced latency and ensured smoother operation under high-stress conditions, resulting in a more responsive application.

45% Increased Code Reliability

- Improved the stability and reliability of the application, reducing errors and system downtime.

70% Streamlined Testing Process

- Reduced manual intervention, accelerating the development cycle and ensuring consistent quality across releases.

Solutioning

Challenges

- Managing a high number of concurrent users while maintaining performance and stability.
- Ensuring that the codebase remains reliable and free from critical bugs as the system scales and updates.
- Simulating real-world scenarios to accurately test the application's performance and identify potential bottlenecks.

Technical Spotlight

- Utilized Go's built-in concurrency features for efficient resource management and request handling.
- Used Go's testing package and GoConvey for automated testing and code coverage.
- Leveraged Apache JMeter to simulate different user loads and stress test the application, identifying potential performance bottlenecks.

Solution Highlights

- Allowed the application to handle multiple requests concurrently, ensuring scalability and reducing response times.
- Ensured that the codebase remains robust and minimized the risk of introducing bugs.
- Optimized the platform for high quality performance under real-world conditions.

Tech Stack



An Indian Financial Institution Offering Diverse Services

Implemented extensive unit testing with high coverage.

Automated Testing

Regression Testing

Bug Tracking

Test Coverage

Outcomes

90% Test Coverage

- Ensured high test coverage, improving code reliability and reducing bugs.

2x More Effective Bug Tracking

- Improved issue identification and resolution processes, ensuring higher software quality.

65% Better Code Deployment

- Facilitated smooth integration and deployment processes, ensuring real-time updates and quick bug fixes.

Solutioning

Challenges

- Achieving comprehensive test coverage for all aspects of the application, including edge cases.
- Coordinating test case execution and tracking issues across multiple team members.
- Ensuring a consistent user experience across iOS and Android platforms while managing separate codebases.

Technical Spotlight

- Adopted test-driven development (TDD) and integrated automated testing frameworks.
- Utilized Jira's issue tracking and project management features to organize and track test cases, bugs, and test results.
- Used React Native for shared codebase across iOS and Android, and React.js for web applications.

Solution Highlights

- Achieved comprehensive test coverage, catching bugs early in the development process and ensuring code reliability.
- Enhanced testing coordination and streamlined issue resolution, improving overall project management.
- Ensured a consistent user experience and reduced development time by leveraging a unified codebase for multiple platforms.

Tech Stack



An Advanced Digital Platform Innovating the Loan Market

Conducted comprehensive testing for a seamless user experience.

User Experience Testing

Regression Testing

End-to-End Testing

Automated Error Detection

Outcomes

100% Scalable Testing Solutions

- Implemented scalable testing frameworks to accommodate future growth and evolving platform requirements.

48% More Efficient Error Detection

- Automated testing processes identified and resolved errors quickly, minimizing disruptions and improving stability.

4x Improved Platform Performance

- Optimized code and advanced testing ensured high performance and reduced load times, enhancing overall user satisfaction.

Solutioning

Challenges

- Creating a robust automated testing framework that covers all critical functionality.
- Efficiently managing and synchronizing application state across various components.
- Identifying and fixing errors promptly to maintain platform stability and user satisfaction.

Technical Spotlight

- Employed the Cypress Testing Framework for comprehensive end-to-end testing.
- Implemented Redux Toolkit for efficient and scalable state management across the application.
- Integrated Cypress Testing Framework to automate error detection and ensure rapid resolution through continuous testing.

Solution Highlights

- Provided robust automated testing capabilities, leading to higher reliability and faster detection and resolution of issues.
- Streamlined state management, reducing complexity and improving synchronization across components.
- Facilitated effective error detection and quick fixes, enhancing platform stability and reducing downtime.

Tech Stack



A Bahrain-based Digital Bank Offering Efficient Modern Services

Carried out extensive testing and documentation to ensure application reliability.

Quality Assurance

QA Documentation

API Testing

Automated Testing

Outcomes

75% Improved Reliability

- Implemented microservices and rigorous JUnit testing, leading to increased system reliability and reduced downtime.

2x Better Documentation

- Comprehensive documentation and effective use of JIRA and Confluence facilitated better project management and communication.

60% Efficient Deployment

- Streamlined the deployment pipeline, enabling faster and more reliable releases.

Solutioning

Challenges

- Maintaining thorough and reliable API testing and up-to-date documentation.
- Effectively managing version control and collaborating on code with multiple developers.
- Managing and resolving bugs efficiently while keeping track of all issues.

Technical Spotlight

- Leveraged JUnit for testing APIs and Confluence for comprehensive documentation.
- Made use of Git to ensure version control and JIRA for effective project management.
- Utilized JIRA for comprehensive issue tracking and bug management.

Solution Highlights

- Provided automated testing to catch issues early and maintained documentation for clarity and ease of access.
- Facilitated efficient version control and collaboration, and managed tasks and tracked progress effectively.
- Allowed for efficient bug reporting, prioritization, and resolution, ensuring problems are addressed promptly and systematically.

Tech Stack



Leading by Passion. Driven by Innovation

4000+
Professionals

22+
Industries

1500+
Clients

85%
Client Retention

Thankyou

022 4050 0600

www.neosofttech.com