



Your Success, Powered by Our IT Partnership

QUALITY ASSURANCE



Overview



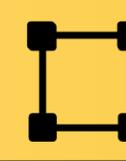
596+
Employees



6+
Global Offices



4+
Development Centers



14900+
Office Space

Clientele



70+
Global Clients



10+
Countries



85%
Clients Retention



10+
Industry Verticals

Achievements



210+
Products Engineered



260+
Applications Developed

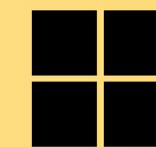


5+
Awards



10+
Million
Development Hours

Partners



Microsoft



Google Cloud

Certification



Our Capabilities



Functional Testing



Performance Testing



Reliability Testing



Accessibility Testing



Security Testing



Native Apps Testing



Regression Testing



Load & Stress Testing



UI Testing

Our Expertise

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
- Management

Data Management & Analytics

- Data Engineering
- Governance
- B.I. & Analytics

Artificial Intelligence

- M.L. Models Model Generation
- Data Science
- M.L. Ops

Internet of Things

- IoT Consulting
- Software Defined Features
- IoT Applications

Innovation Lab

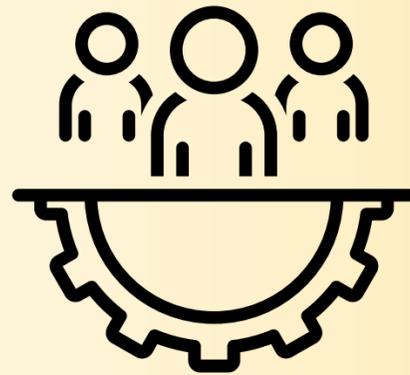
- MVP & POCs
- Rapid Prototyping
- Emerging Tech

Team Augmentation

- Solution Architects
- B.A. Developers Data Scientists

What We Do

Team Augmentation



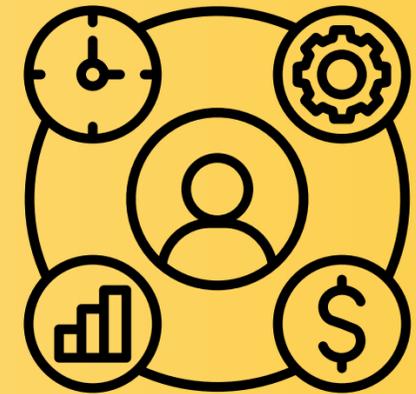
With 596+ expert engineers skilled in 100+ technologies, we are your Digital Factory. Empower your development with agile, on-demand teams ready to boost productivity. No operational overhead—just seamless innovation.

Fixed Scope



We deliver precisely designed project specifications and timelines to power innovative development, seamless integrations, and feature-rich solutions. With PradeepIT's expertise, your projects are completed with unmatched precision and excellence.

Managed Services



Our IMS services empower enterprises to maintain seamless operations. With 24x7 support, SLA-driven reliability, governance, and technical expertise, we streamline processes and reduce costs effectively.

Our Quality Assurance Services



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

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

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

05. Testing Automation

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

06. 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

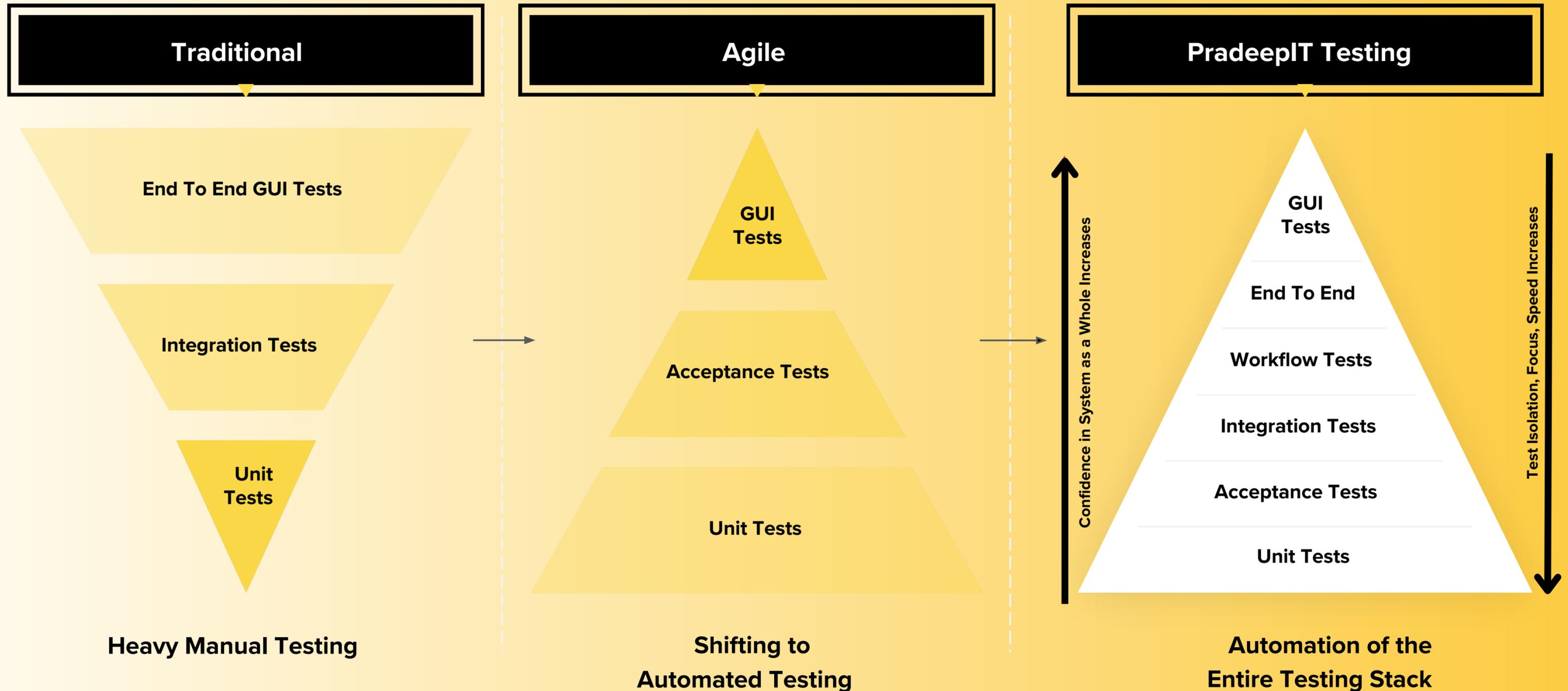
Automation Testing Tools

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

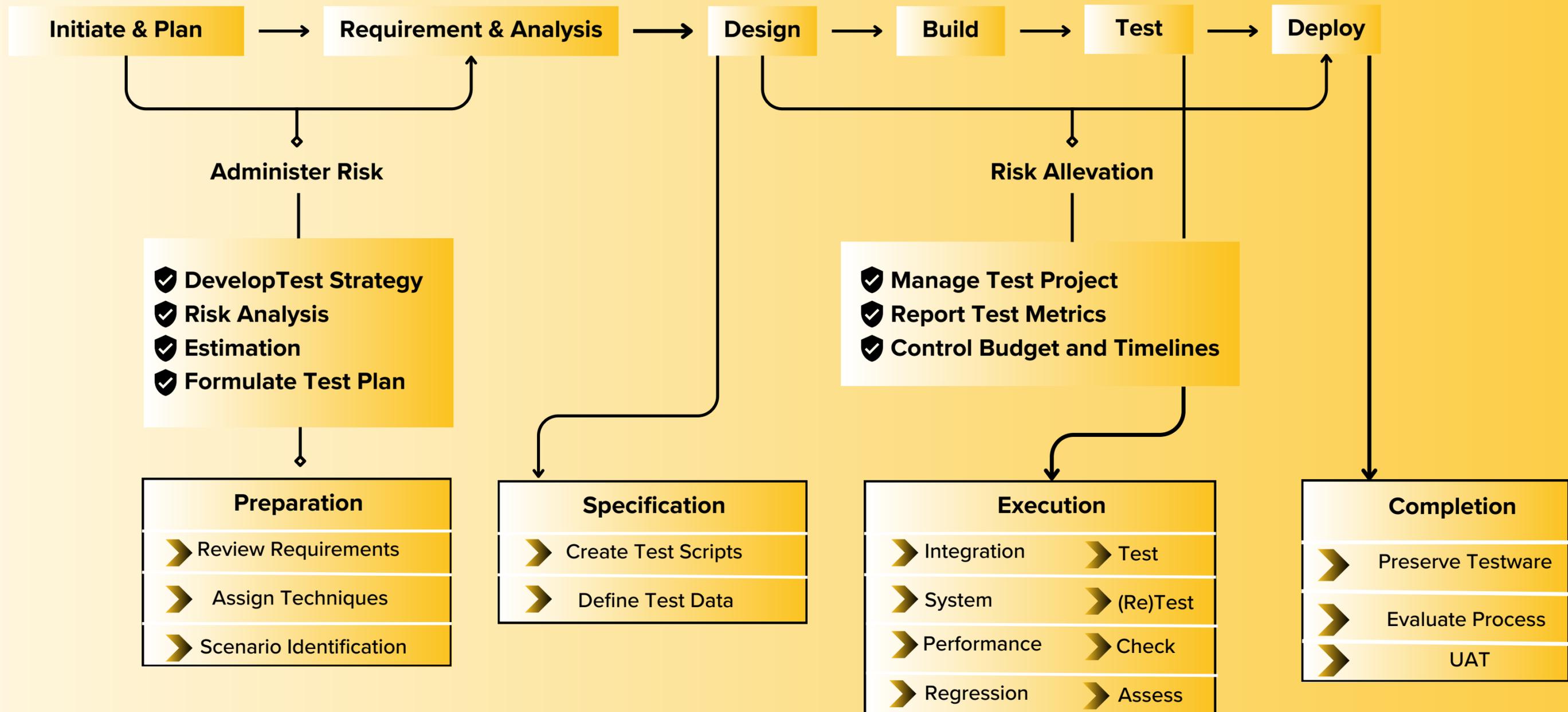
Programming Languages

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

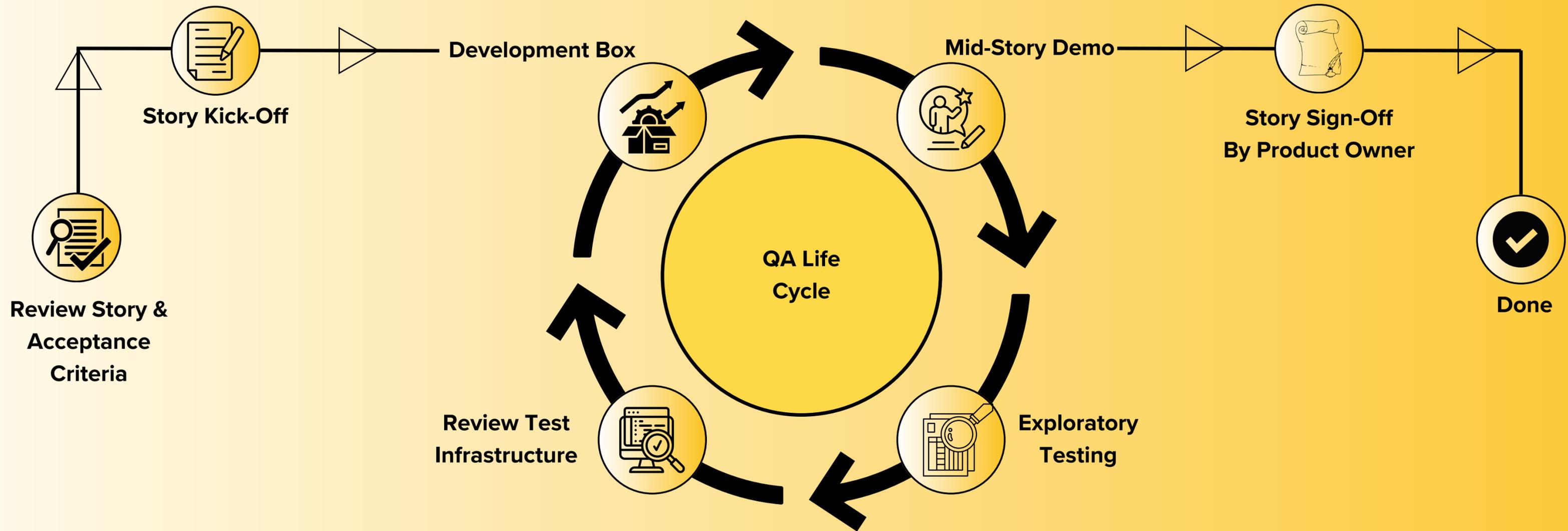
The PradeepIT Edge



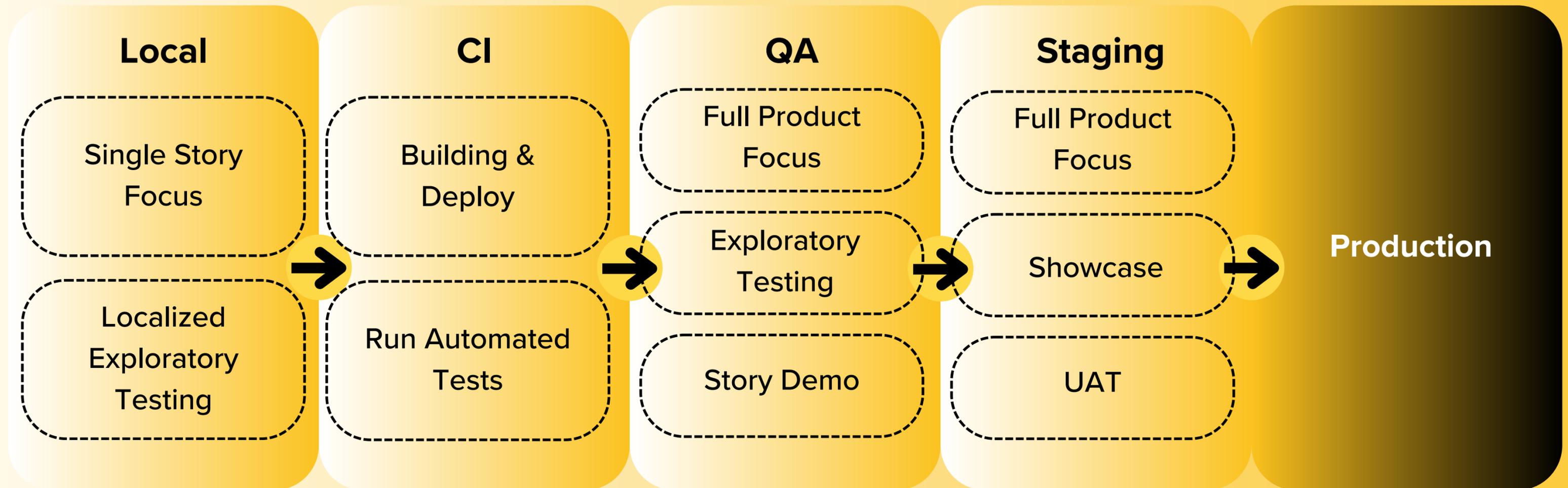
Our Approach



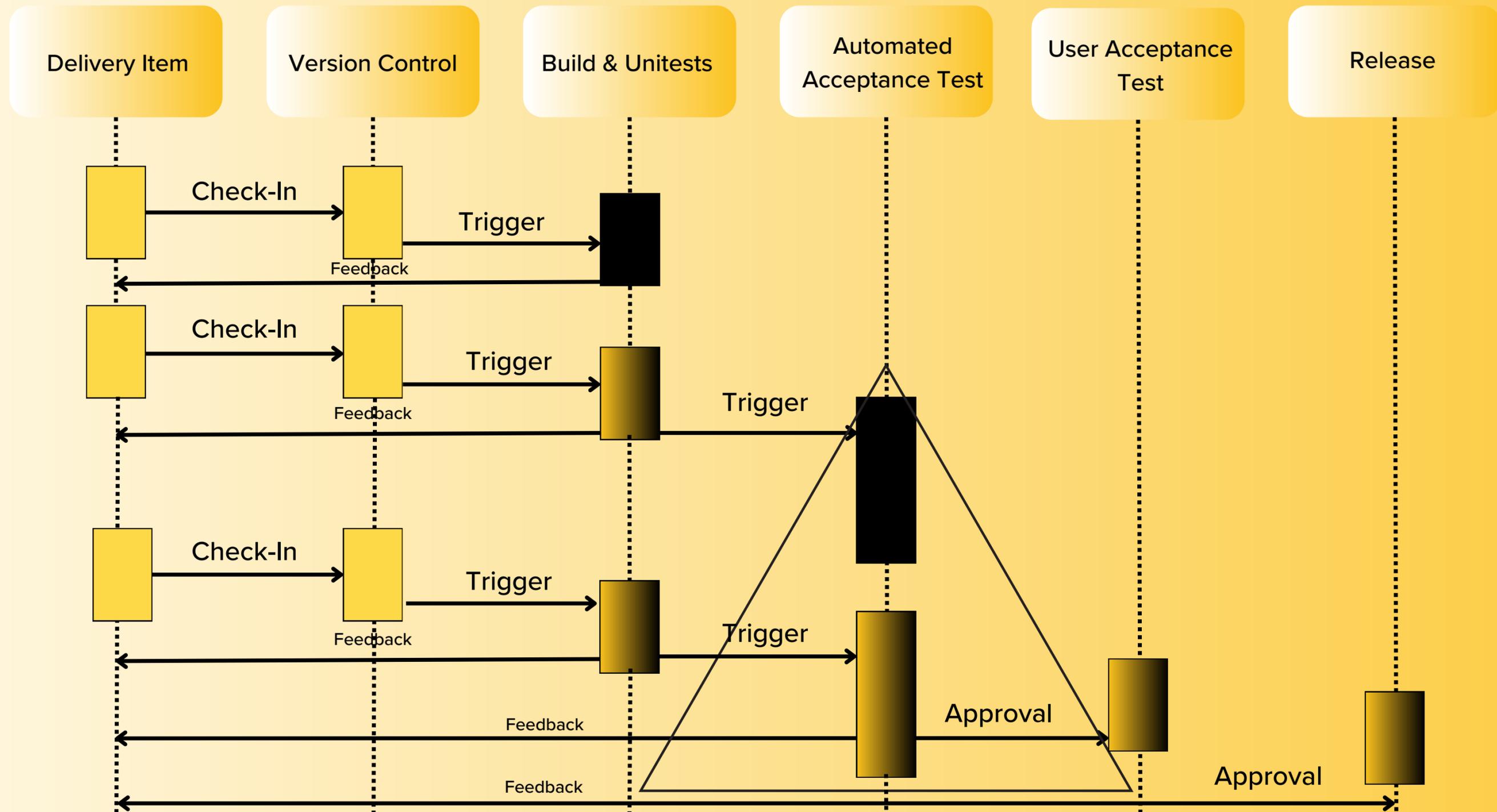
The QA Lifecycle



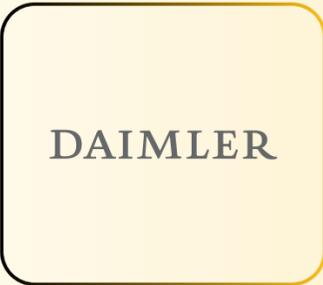
Multi-Stage Validation



Multi-Stage Validation



Selected Clientele



Case Studies



Leading Global Telecommunications Provider Headquartered in the UK

Developed an End-to-End Automated Testing Framework for Cloud-Based Web Applications

Performance Testing

QA Documentation

Cloud Infrastructure Management

Functional Testing

Outcomes

Achieved 80% Faster Data Processing

Enabled Faster Data Processing for Improved Efficiency and Quick Decision-Making

4x Reduced Testing Costs

Reduced Manual Efforts, Leading to Significant Cost Savings in Testing

65% Enhanced System Scalability

Ensured Seamless Scalability to Handle Growing Data Volumes Without Sacrificing Performance

Solutioning

Challenges

- • Managing the challenges of processing large, ever-growing datasets while maintaining high performance.
- • Ensuring the scalability of the testing framework to accommodate the platform's evolution over time.
- • Streamlining the integration of unstructured data sources, like social media, which demands real-time processing and cleaning.

Technical Spotlight

- • Utilized Amazon Redshift's columnar database to enhance data processing speed and efficiency.
- • Developed automated testing scripts using Selenium and POM (Page Object Model), minimizing manual intervention and ensuring consistent quality.
- • Applied Python scripts in conjunction with Spark to manage and clean unstructured data, transforming it for smooth integration and processing.

Solution Highlights

- • Optimized data handling at scale, ensuring efficient management and rapid access even with a growing user base.
- • Minimized manual testing efforts, speeding up the development cycle while upholding high-quality standards.
- • Streamlined unstructured data processing, seamlessly integrating it into the data pipeline for comprehensive analysis.

A Leading EdTech Company Pioneering Advanced Learning Tools and Platforms

Performed thorough server-side API testing, including code coverage analysis and load testing, to ensure robust performance and reliability.

Performance Testing

QA Documentation

Scripting

Load Testing

Outcomes

3x Enhanced System Performance

Optimized system performance to reduce latency and enhance the application's ability to handle high-stress conditions, leading to smoother and more responsive operations.

45% Increased Code Reliability

Enhanced the application's stability and reliability by addressing potential issues, minimizing errors, and significantly reducing system downtime.

70% Streamlined Testing Process

Minimized manual effort, speeding up the development process, and maintaining consistent quality in each release.

Solutioning

Challenges

- • Effectively handling high traffic volumes and maintaining application performance and stability under load.
- • Ensuring code reliability and eliminating critical bugs as the system scales with updates and new features.
- • Using realistic simulations to evaluate performance, identifying bottlenecks, and optimizing for smoother user experiences.

Technical Spotlight

- • Harnessed Go's concurrency model for optimized resource management, enabling faster and more efficient request handling.
- • Integrated Go's testing framework along with GoConvey for comprehensive automated testing, ensuring high code quality and coverage.
- • Utilized Apache JMeter for load testing, simulating various user conditions to uncover performance bottlenecks and ensure scalability.

Solution Highlights

- • Enabled concurrent request handling, improving scalability and reducing response times for better user experience.
- • Maintained a robust and stable codebase, minimizing bugs and enhancing overall reliability.
- • Optimized the platform's performance to handle real-world usage scenarios efficiently, ensuring high-quality operations even under stress.

Trusted Indian Financial Institution Delivering Varied Solutions

Established a robust unit testing framework, achieving high code coverage for enhanced application stability.

Automated Testing

Regression Testing

Bug Tracking

Test Coverage

Outcomes

90% Test Coverage

Maintained comprehensive test coverage to enhance code reliability and minimize errors.

2x More Effective Bug Tracking

Streamlined the issue identification and resolution process, ensuring higher-quality software delivery.

65% Better Code Deployment

Streamlined integration and deployment pipelines, enabling real-time updates and rapid bug fixes.

Solutioning

Challenges

- • Ensured complete test coverage, addressing all components of the application, including edge scenarios.
- • Coordinated test execution and issue tracking across teams, ensuring efficient collaboration.
- • Maintained consistent user experiences across both iOS and Android platforms, despite managing distinct codebases.
- • Achieved full application test coverage, including rare and edge cases, to ensure robustness.
- • Managed test case execution across team members and tracked defects for improved collaboration.
- • Focused on seamless cross-platform user experience by synchronizing development efforts on iOS and Android codebases.

Technical Spotlight

- • Embraced test-driven development (TDD) and integrated automated testing frameworks to ensure early detection of defects.
- • Leveraged Jira's issue tracking and project management features to efficiently organize test cases, manage bugs, and track test results.
- • Utilized React Native to maintain a unified codebase for both iOS and Android platforms, while employing React.js for seamless web application development.

Solution Highlights

- • Achieved comprehensive test coverage, identifying bugs early in the development cycle and ensuring code reliability.
- • Streamlined testing coordination and issue resolution, enhancing project management efficiency.
- • Ensured a consistent user experience and reduced development time by leveraging a unified codebase for multiple platforms.

Revolutionizing the Loan Market with an Advanced Digital Platform

Performed extensive testing to ensure a smooth and flawless user experience.

User Experience Testing

Regression Testing

End-to-End Testing

Automated Error Detection

Outcomes

100% Scalable Testing Solutions

Developed adaptable testing frameworks to support platform growth and meet evolving requirements

48% More Efficient Error Detection

Automated testing streamlined error detection and resolution, reducing disruptions and enhancing platform stability.

4x Improved Platform Performance

Code optimization and advanced testing improved performance and reduced load times, boosting user satisfaction.

Solutioning

Challenges

- Developing a comprehensive automated testing framework to ensure all critical functionalities are covered.
- Effectively managing and synchronizing application state across different components.
- Quickly identifying and resolving issues to maintain platform stability and enhance user satisfaction.

Technical Spotlight

- Used the Cypress Testing Framework to conduct thorough end-to-end testing for comprehensive quality assurance.
- Integrated Redux Toolkit for efficient and scalable state management across the application, ensuring smoother functionality.
- Automated error detection and resolution by integrating the Cypress Testing Framework with continuous testing.

Solution Highlights

- Delivered strong automated testing capabilities, resulting in improved system reliability and quicker issue identification and resolution.
- Simplified state management, reducing complexity and ensuring better synchronization between various components.
- Enhanced error detection and prompt fixes, bolstering platform stability and minimizing downtime.

A Leading Digital Banking Platform Revolutionizing Financial Services in Bahrain

Conducted thorough testing and detailed documentation to guarantee application reliability.

Quality Assurance

QA Documentation

API Testing

Automated Testing

Outcomes

75% Improved Reliability

Integrated microservices architecture and conducted thorough JUnit testing, boosting system reliability and minimizing downtime.

2x Better Documentation

Detailed documentation, combined with efficient use of JIRA and Confluence, enhanced project management and communication.

60% Efficient Deployment

Optimized the deployment pipeline, ensuring quicker and more dependable releases.

Solutioning

Challenges

- Ensuring comprehensive and accurate API testing alongside maintaining current documentation.
- Streamlining version control and fostering effective collaboration between developers..
- Proactively managing and resolving bugs, while meticulously tracking all issues.

Technical Spotlight

- Utilized JUnit to perform API testing and leveraged Confluence for detailed documentation.
- Implemented Git for seamless version control and JIRA for efficient project management.
- Employed JIRA for robust tracking of issues and bug resolution, ensuring smooth project flow.

Solution Highlights

- Implemented automated testing to identify issues early, while keeping documentation organized for easy access and understanding.
- Streamlined version control and team collaboration, ensuring effective task management and progress tracking.
- Enabled quick and systematic bug reporting, prioritization, and resolution to address problems efficiently.



CMMI Level 3

Inspired by Passion. Powered by Innovation.

596+

Professionals

10+

Industries

500+

Clients

85%

Client Retention

Thank You

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