Accelerate Your Application Delivery with
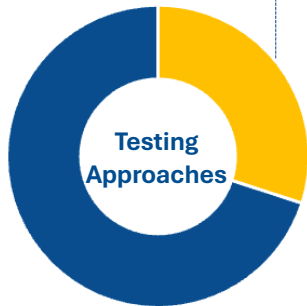
AI-First Software Testing Service

Fast, Frictionless, and Transparent Software Testing

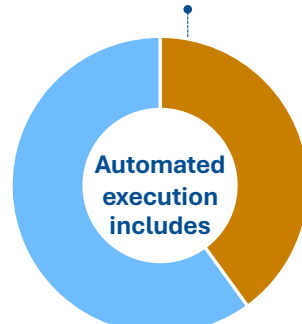# Software Test Design, Development, and Maintenance Is Completely Manual

Software testing requires engineers to test manually every time or write/record tests scripts that can then be run using automation.

30% Tests scripted or recorded for automation

40% Record and play

Testing Approaches

Automated execution includes

70% Manual testing

60% Manual test script development

20% of engineering capacity is dedicated to testing using traditional or AI-Augmented tools

Additional 20% of engineering capacity is used to address bugs found in testing cycle because testing lags development by 2+ weeks

Today's **manual** test design, development, and maintenance **process cannot provide** the needed **speed, accuracy, and test coverage** at scale.

This **inefficient process** often results in **production issues, dissatisfied customers, and budget overspent**.

However, AI Is Rapidly Transforming the Software Engineering Process

Enterprises are adopting AI powered tools for product requirements, design, sprint planning, coding, and testing to gain speed, efficiency, and cost advantage **Gartner, McKinsey: 1,3**
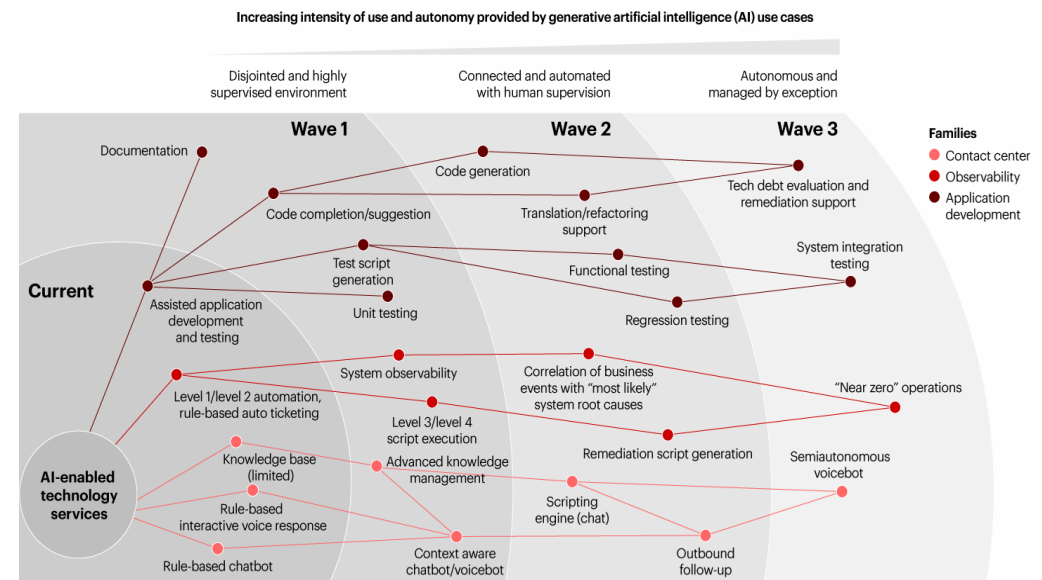
Gartner predicts that by 2027:[4,5]

- **70%** Professional developers will use **AI-powered coding tools**
- **80%** Enterprises will have integrated **AI-augmented testing tools**

GitHub reported a million developers have used Copilot and 20,000 organizations have adopted it. [2]

Increasing intensity of use and autonomy provided by generative artificial intelligence (AI) use cases

Disjointed and highly supervised environment · Connected and automated with human supervision · Autonomous and managed by exception

Wave 1 · **Wave 2** · **Wave 3**

Families
- Contact center
- Observability
- Application development

Documentation, Code generation, Tech debt evaluation and remediation support, Code completion/suggestion, Translation/refactoring support, System integration testing, Test script generation, Functional testing, Current, Assisted application development and testing, Unit testing, Regression testing, System observability, Correlation of business events with "most likely" system root causes, "Near zero" operations, Level 1/level 2 automation, rule-based auto ticketing, Level 3/level 4 script execution, Remediation script generation, Semiautonomous voicebot, Knowledge base (limited), Advanced knowledge management, Scripting engine (chat), AI-enabled technology services, Rule-based interactive voice response, Context aware chatbot/voicebot, Outbound follow-up, Rule-based chatbot

Source: Bain & Company

Saralam Is An AI-First Software Testing Service

We design comprehensive **test plan using your mockups** or application.

We deliver **90% "in-sprint" test** automation with machine scale and speed.

Saralam runs your test suite on demand. We also **maintain test scripts** as your application evolves.

Test results and screenshots/videos are provided right back in your Test Management tool.

Saralam runs test cases in our **cloud infrastructure**, lessening your infrastructure footprint.

Test Planning and Prioritization

Test Development and Maintenance

Test Maintenance and Defect Analysis

Saralam Testing Service

Test Data Generation

Visual Test Execution

Enterprise-grade Professional Services Delivery

Saralam Offers Unparalleled Speed, Coverage, and Efficiency For Software Testing

Achieve 90% "in-sprint" test automation within days, not weeks or months with our fully managed testing service to automate and scale your QA.
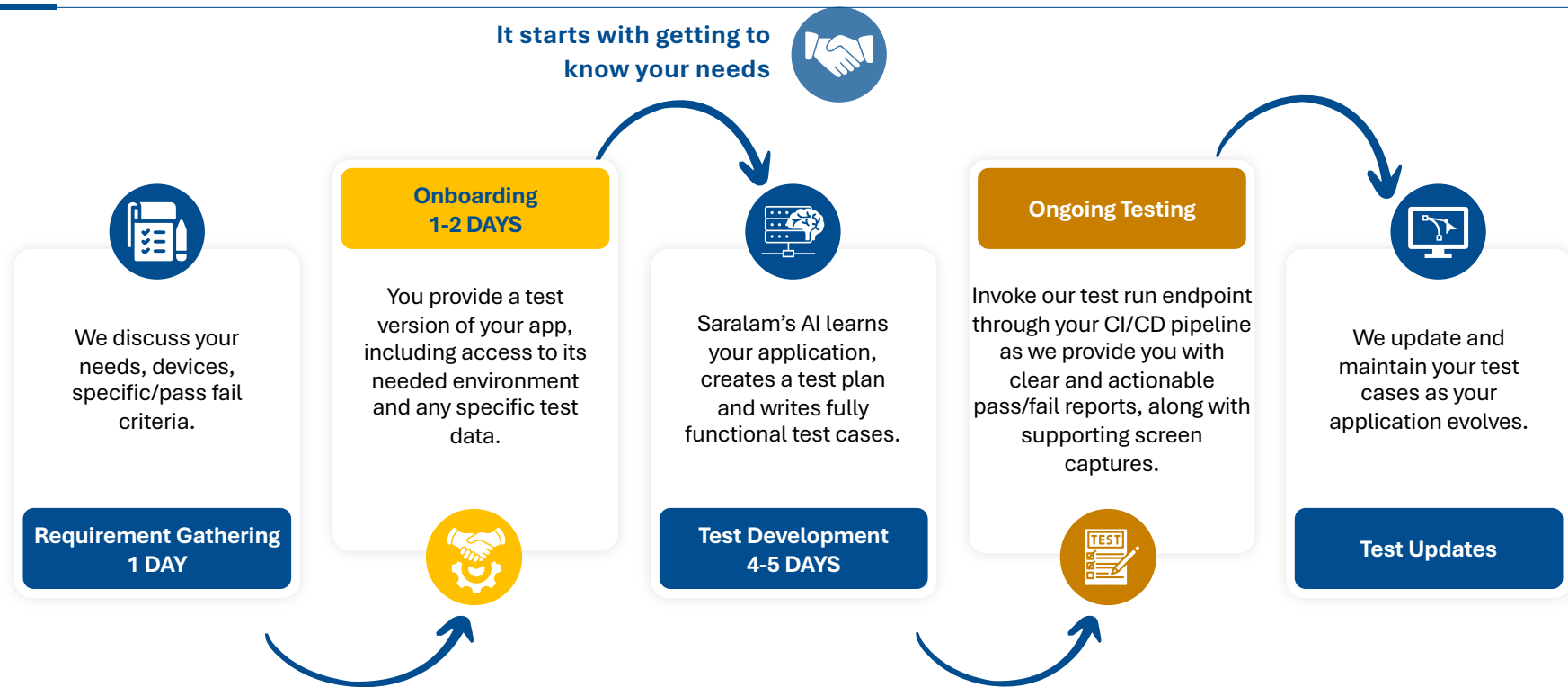
Your test plan and tests are ready when your mockups are.

Build **extensive test coverage** using Saralam's large Test Catalog as your application evolves.

"Shift-left" and **increase developer efficiency by 50%** with "test-first" methodology and eliminating test maintenance cycles.

Our Engagement Is Fast, Frictionless, And Transparent

It starts with getting to know your needs

Onboarding
1-2 DAYS

Ongoing Testing

We discuss your needs, devices, specific/pass fail criteria.

You provide a test version of your app, including access to its needed environment and any specific test data.

Saralam's AI learns your application, creates a test plan and writes fully functional test cases.

Invoke our test run endpoint through your CI/CD pipeline as we provide you with clear and actionable pass/fail reports, along with supporting screen captures.

We update and maintain your test cases as your application evolves.

Requirement Gathering 1 DAY

Test Development 4-5 DAYS

Test Updates

Familiar professional services delivery with the **needed oversight** for critical customer facing outcome.

Shift-left To Test-first Methodology Today!

Expedite launch time:

90% "in-sprint" test automation with rapid test development starting from mockups speeds up your testing cycles **up to 5X faster**.

Save budget:

Replace manual testing and expensive infrastructure with robust, reliable No Code Testing Automation that's **50% more affordable** than competing option.

Boost developer efficiency:

With tests ready earlier in the development cycle, you'll have **fewer bug fixes** and better product quality.

Low maintenance:

Even when your needs or application change, saralam adapts almost instantaneously for a completely **automated test maintenance**.

Thank You!

Industry References

01   *[Gartner 2022](#) – Market Guide to AI Augmented Software: By 2027, 70% of professional developers will use AI-powered coding tools, up from less than 10% today; 80% of the enterprises will have integrated Artificial Intelligence (AI)-augmented testing tools into their software engineering toolchain, which is a significant increase from 10% in 2022. McKinsey 2023 – https://www.mckinsey.com/capabilities/mckinsey-digital/our-insights/unleashing-developer-productivity-with-generative-ai .*

02   *GitHub reported a million developers have used Copilot and 20,000 organizations have adopted it. An increase in productivity from using Copilot is expected to add $1.5 trillion to global GDP by 2030*

03   *Capgemini 2022-23 – World Quality Report - Maintainability is the most important factor in determining test automation approaches.*

04   *Gartner 2020 – Achieve Business Agility With Automation, Continuous Quality and DevOps Survey: 84% of the recipients responded that AI/ML features are more important than other features in testing tools selection.*

05   *Gartner 2021 – Software Engineering Leaders Survey: Improving time to market, delighting customers and reducing production incidents are among the top activities for Software Engineering Leaders.*

06   *How Generative AI Changes the Game in Tech Services: https://www.bain.com/insights/how-generative-ai-changes-the-game-in-tech-services/*