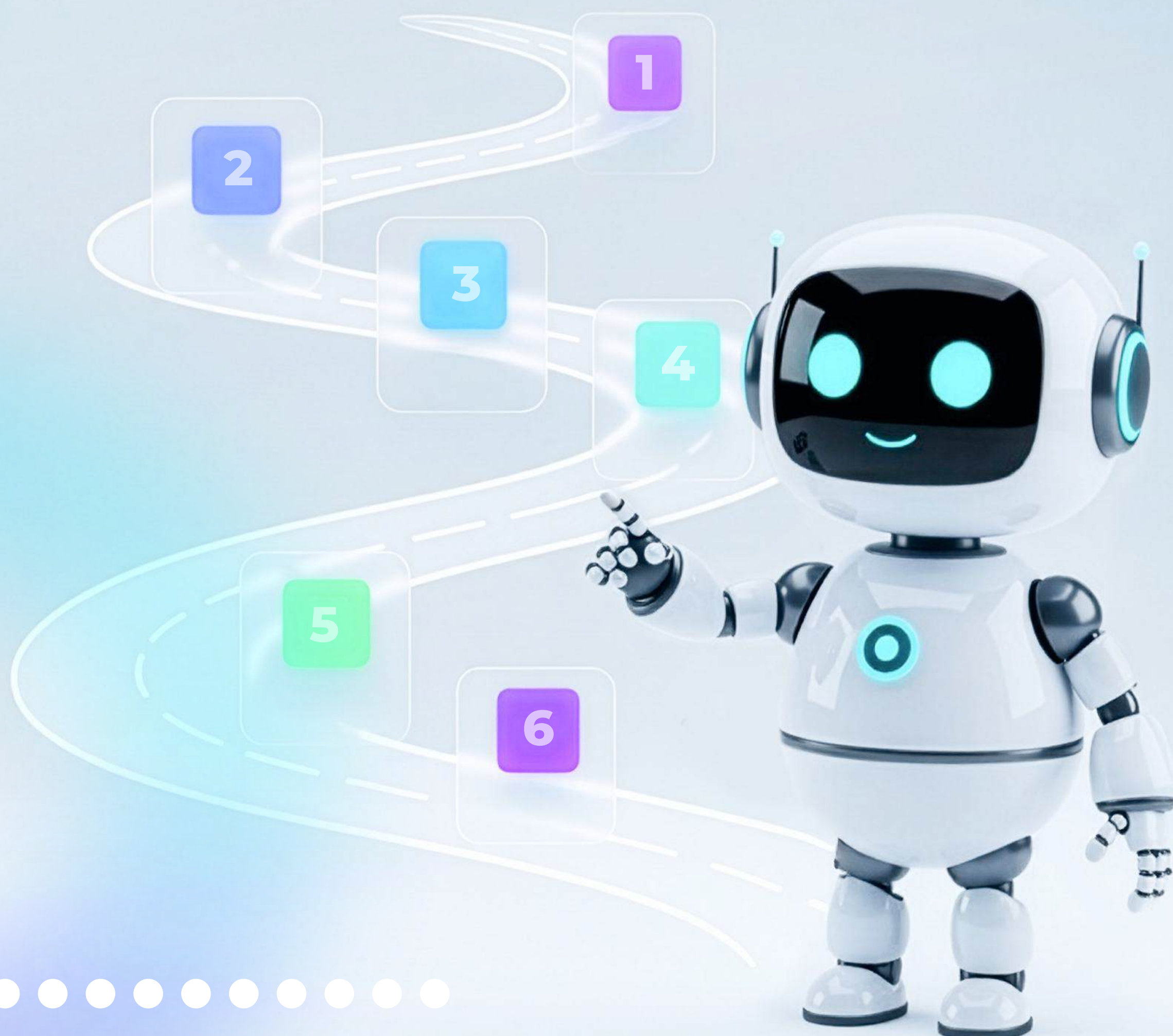


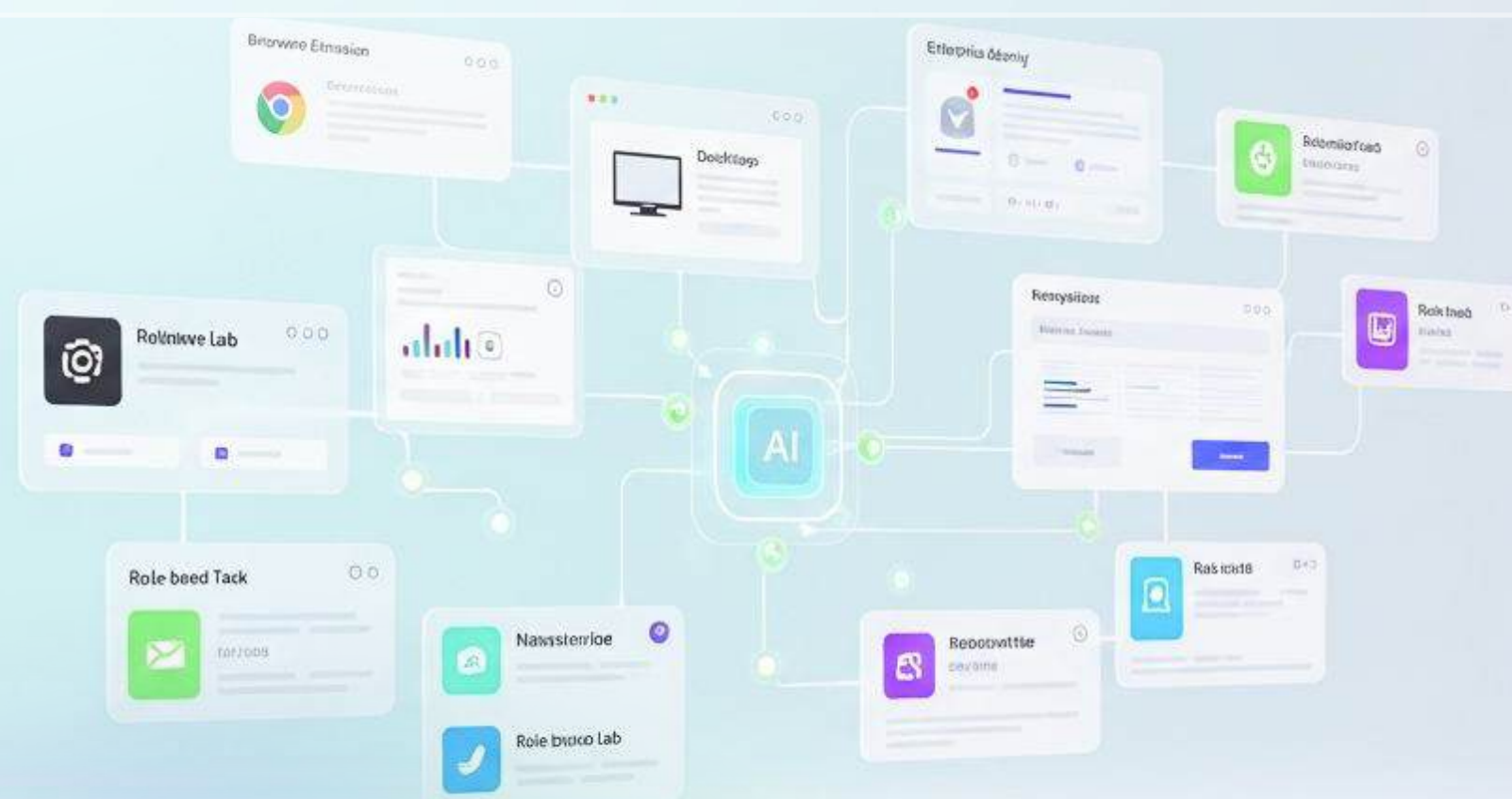


Testing an **AI Agent**

Ensuring stable behavior for an AI learning experience platform across integrated AI environments



The core concept is learning through interactive personalized tasks that help users practice AI in real work scenarios: writing effective prompts, taming text files, or preparing presentations.



PRODUCT OVERVIEW



HOW IT WORKS:

1 Install the web extension or desktop app

Open the AI tool used in daily work

2

3 Complete onboarding and guided setup

Work through interactive, role-based labs

4

5 Follow guided activities and built-in checks

Track progress through XP, challenges, and certifications

6



CLIENT'S NEEDS



Ensure stable product behavior across key user flows



Validate core product functionality, new features, and existing flows after product updates



Validate smooth and clear AI-assisted learning workflows with relevant guidance, responses, and adaptive user support



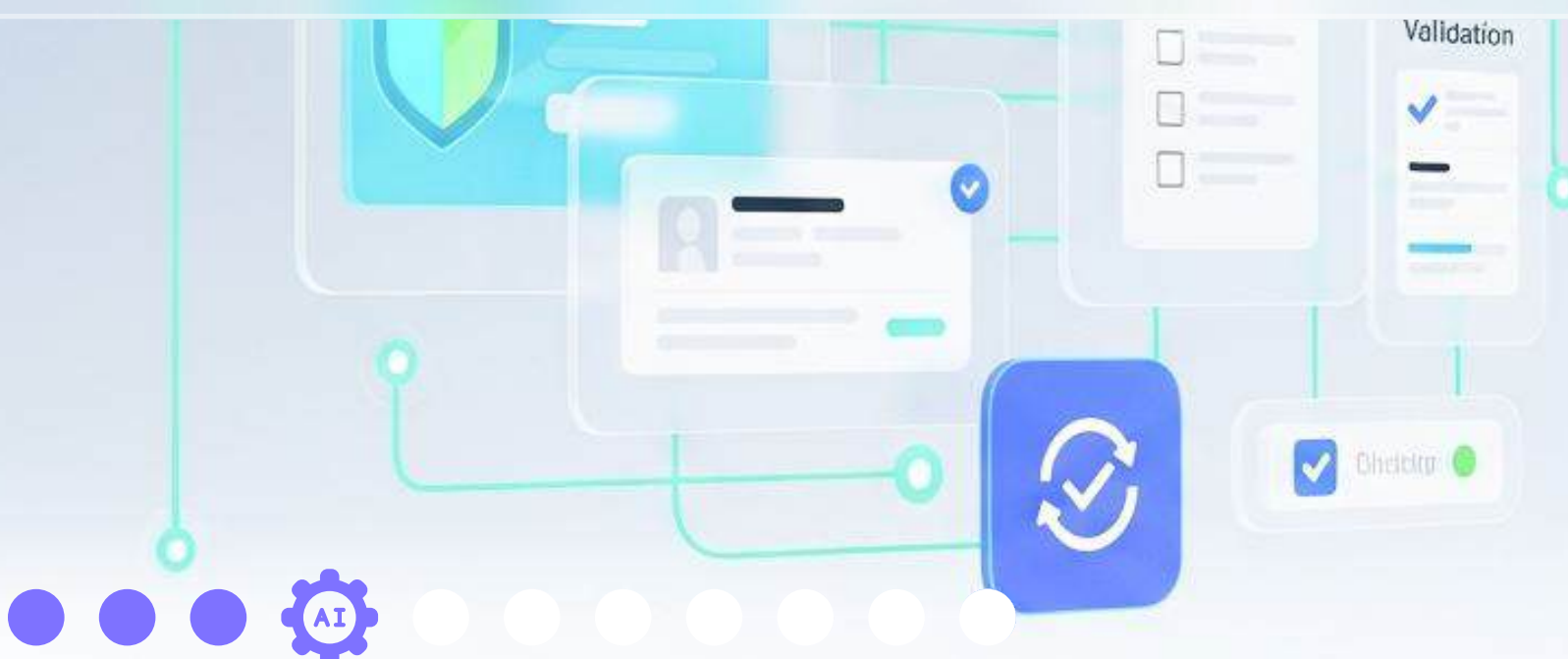
Confirm stable and consistent product behavior when interacting with integrated AI services



Ensure user data safety and isolation across learning plans, profiles, sessions, and accounts.



Verify UI alignment with updated designs across platforms



IMPLEMENTATION



We provided full-cycle QA support for the product:

1

Carried out smoke testing to confirm that each build was ready for further validation

2

Performed regression testing after product updates to ensure existing flows remained stable

3

Tested AI browser extension functionality integrated with ChatGPT, Microsoft Copilot, and other web-based AI assistants

4

Performed functional testing for onboarding flows, embedded assistant features, and all other product features

5

Verified UI elements after each design update to ensure alignment with updated designs across platforms

6

Validated contextual AI guidance and in-app learning experiences



IMPLEMENTATION



7

Validated the accuracy of AI-generated content (detected hallucinated or incorrect guidance)

8

Validated tone and clarity of AI explanations (beginner vs advanced adaptation)

9

Verified adaptive learning path updates when user progress changes

10

Tested AI workflow scenarios, including prompt recommendations, copy/insert actions, and response generation handling

11

Tested error handling for failed AI responses, including timeouts, empty responses, malformed outputs, and partial message rendering in the extension UI

12

Verified learning plan AI customization functionality based on user profile (job role, goals, skill level, and preferences)

IMPLEMENTATION



13

Conducted usability testing to ensure a smooth user experience during AI-assisted workflows

14

Checked prevention of sensitive data exposure in AI prompts, responses, browser storage, and logs

15

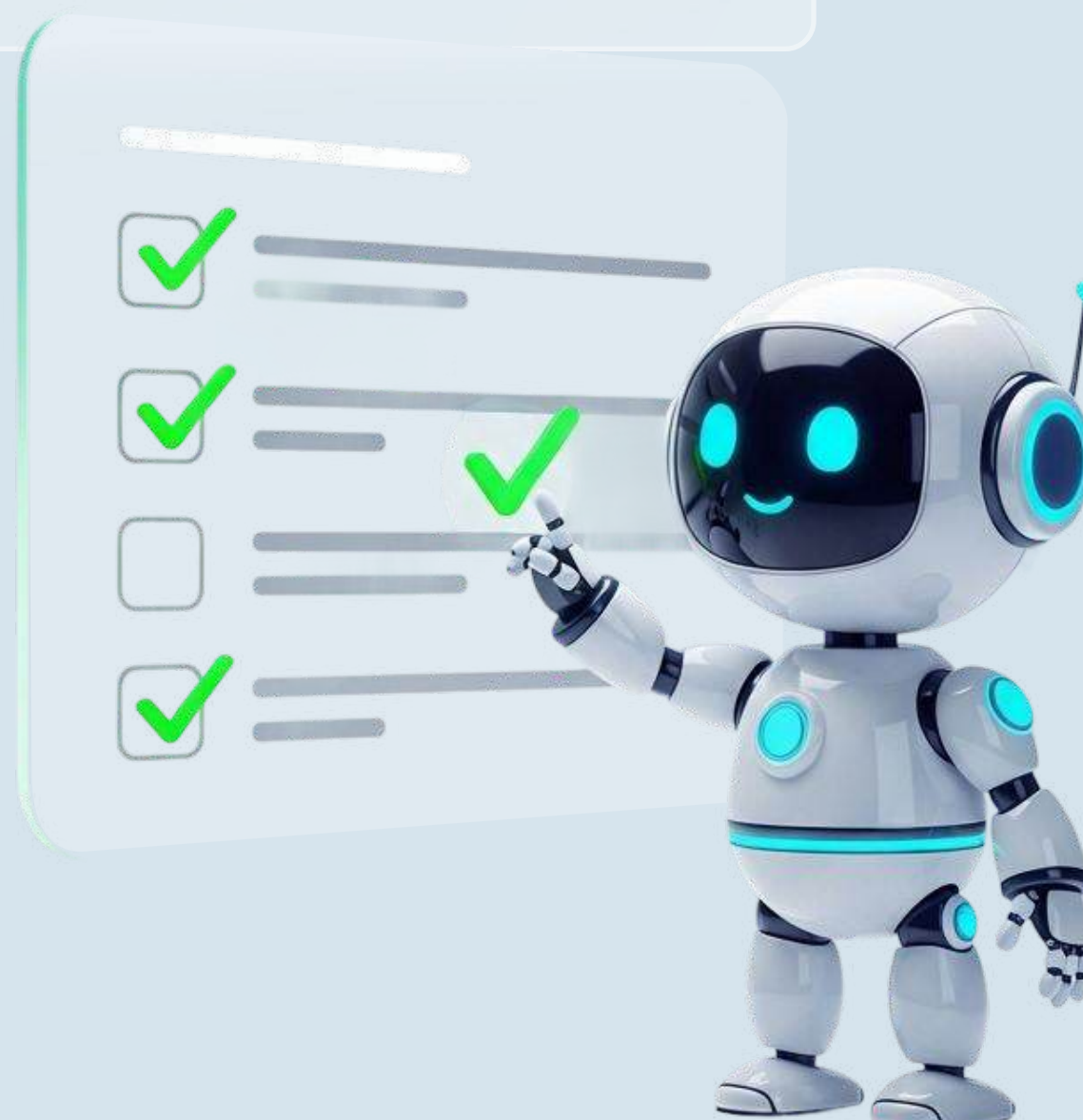
Validated user data isolation for learning plans and profiles across sessions and accounts

16

Verified feature flags and environment-based configurations

17

Assisted in UAT support and stakeholder validation for newly released AI learning and productivity features



OUR SOLUTION



Testing Types

Functional Testing

Feature Testing

Smoke Testing

UI/UX Testing

Integration Testing

Regression Testing

Platforms

Desktop application

Web extension

Tools



ChatGPT



Internal AI tools



Copilot

(used to verify platform behavior within integrated AI tool environments)

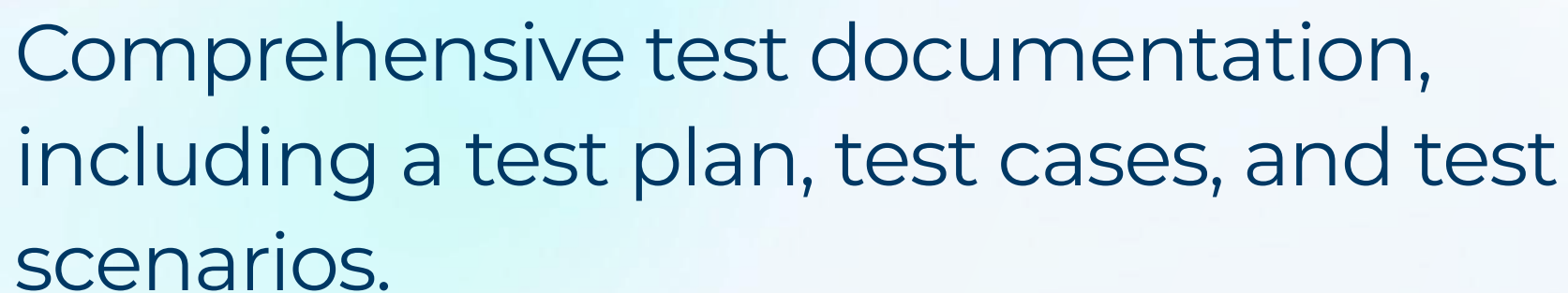
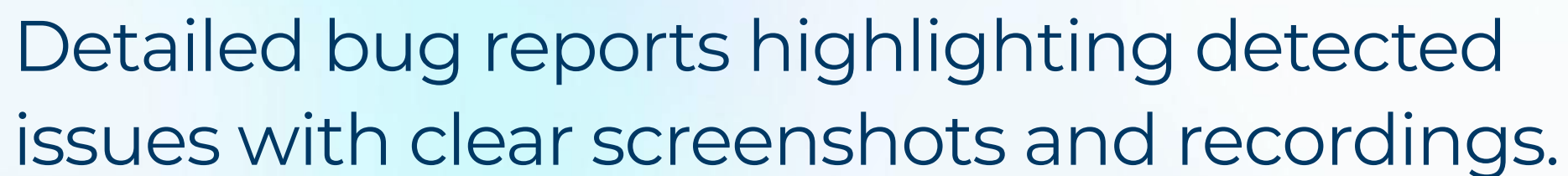


TestRail



BrowserStack





CLIENT'S RESULTS



Stable product behavior across key user flows



Stronger release confidence through reliable validation of new features and updates



Stable and consistent product behavior when interacting with integrated AI tools



Established a structured QA process to support continuous product development



