Category	Use Case Highlights	Quantifiable Impact & Value
Code Generation & Refactoring	• Accelerated large-scale SSO migration scripts • Automated customer service features • Refactored core validation logic across apps • Generated API migration POCs & Java utilities	• Timeline cut from 6 months → 3 weeks • Saved 85,000+ rep. hours annually • Reduced dev effort by 50% • Cut POC time from 2 sprints → 1 sprint
Test Case Generation	Generated comprehensive unit tests (frontend, backend, JUnit), including boilerplate and edge cases.	• Increased test coverage to 95%+ • Improved code reliability & dev productivity
Debugging & Error Resolution	Instantly diagnosed cryptic library crashes and streamlined API debugging by analyzing logs & stack traces.	• Saved 2-3 man-days of effort per issue • Drastically reduced time-to-resolution for bugs
Code Review & Quality	Automated Pull Request reviews to catch errors and refactored code to fix Sonar issues & meet standards.	• Resolved critical issues in days vs. weeks • Resulted in cleaner code & faster review cycles
Developer Onboarding	Onboarded developers to a new programming language (e.g., C++ to Java) with real-time guidance.	• Accelerated ramp-up time & productivity • Ensured higher code quality during transition
Code Documentation	Auto-generated technical documentation for a core engine to improve team knowledge and code clarity.	• Improved code maintainability & understanding • Reduced manual documentation effort