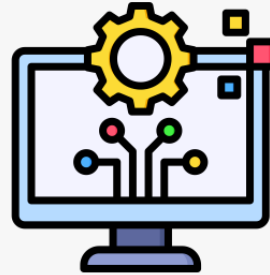# Agenda

- Where Are We — Current State and Technological Value

- Where To Go — Strategic Goals and Focus Areas

- How To Achieve It — Technical Implementation Path and Business Impact

Core Value of AI-Generated ADaM Using R Code

Boost Efficiency, Shorten Processes

- Accelerate ADaM dataset creation
- Automate repetitive tasks
- Flexibly adapt to evolving study needs

Improve Data Quality, Reduce Human Errors

- Ensure consistency and traceability through automation
- Standardized code structure for easy collaboration and maintenance

A Flexible Alternative to SAS

- Open-source R reduces reliance on costly SAS licenses
- Seamless integration with AI for better performance and scalability

Enhance Competitiveness, Expedite Submissions

- Shorten analysis cycles to fast-track drug approval
- Reallocate resources toward high-value tasks

Vision and Strategic Direction: Empowering Platform Development Through AI

Reduce Resources and Improve Efficiency

• Use AI to optimize resource allocation, save time and effort, and simplify operations.
• Enhance development productivity while delivering higher-quality
• results.

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Build Smarter and More Automated Processes

Leverage AI to automate code generation and reduce repetitive tasks.

Streamline workflows for a faster and more intuitive platform experience.

Project Management

Use AI to analyze and adjust plans in real-time, making projects more predictable and agile.

Maintain clear communication and collaboration throughout every stage.

Respond Faster and Deliver High-Quality Results

• Apply AI-driven tools to shorten timelines and ensure reliable outcomes.
• Provide intelligent support for stronger product performance
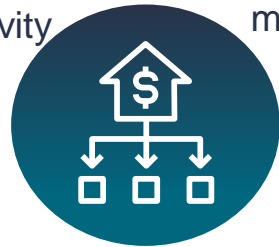
Optimize Testing and Integration

Automate testing with AI to improve code quality and stability.

Speed up deployment cycles while minimizing errors.

Enhance Version Control and Management

• Manage versions and dependencies seamlessly.
• Enable efficient collaboration with clear and unified development strategies.

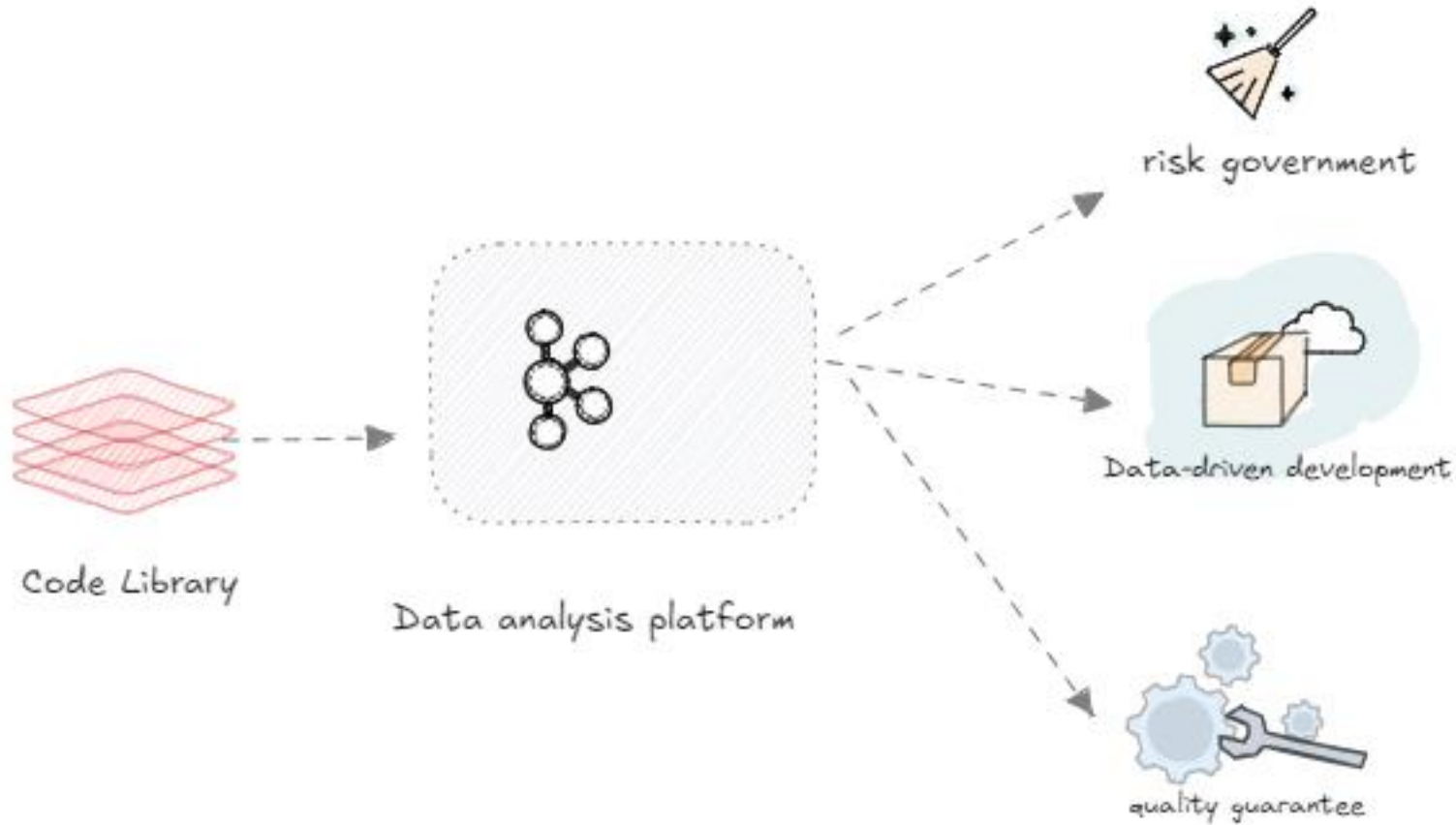# How To Achieve It — Technical Implementation Path and Business Impact

BeiGene

Integrating R Ecosystem for Extended Applications
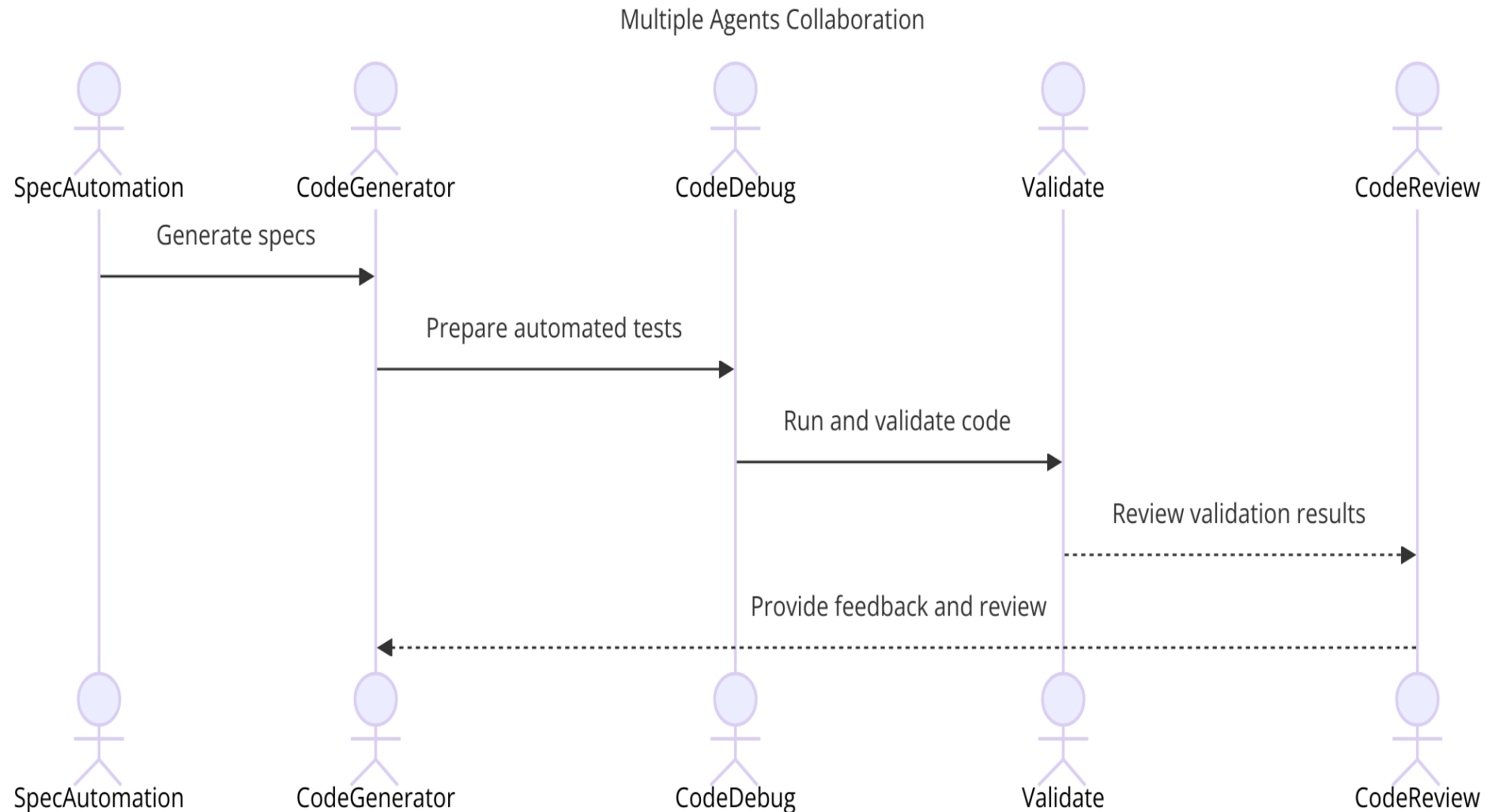
Leveraging Industry Tools for Enhanced Management

- **Industry Standards**: Utilize the mature `admiral` package within the industry as a basis to ensure that our solutions align with the best practices.
- **Code Management**: Build a robust code management framework using the tools and processes provided by the `admiral` package.
- **Continuous Updates**: Keep up with updates from the `admiral` package to ensure that our systems and practices are continuously optimized and improved.
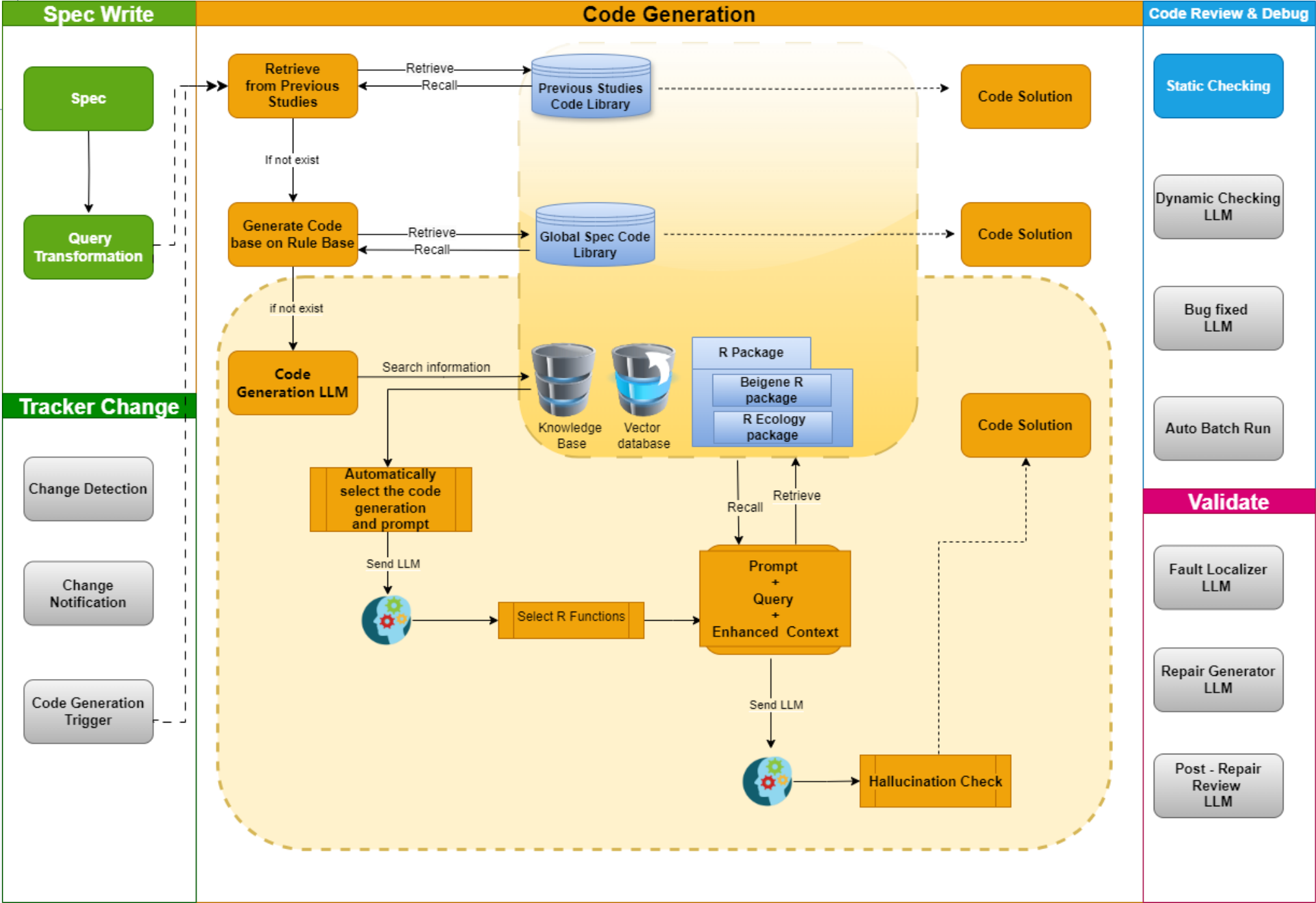
Code Intelligence and Repository Management for Optimization and Insights

Code Library → Data analysis platform → risk government, Data-driven development, quality guarantee

Collaborative Multi-Agents

Multiple Agents Collaboration

| SpecAutomation | CodeGenerator | CodeDebug | Validate | CodeReview |

- Generate specs
- Prepare automated tests
- Run and validate code
- Review validation results
- Provide feedback and review

BeiGene

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FAULT RESOLUTION FRAMEWORK: IDENTIFICATION, REMEDIATION, AND POST-FIX EVALUATION

BUSINESS IMPACT

10+

Multiple therapeutic areas (TAs)
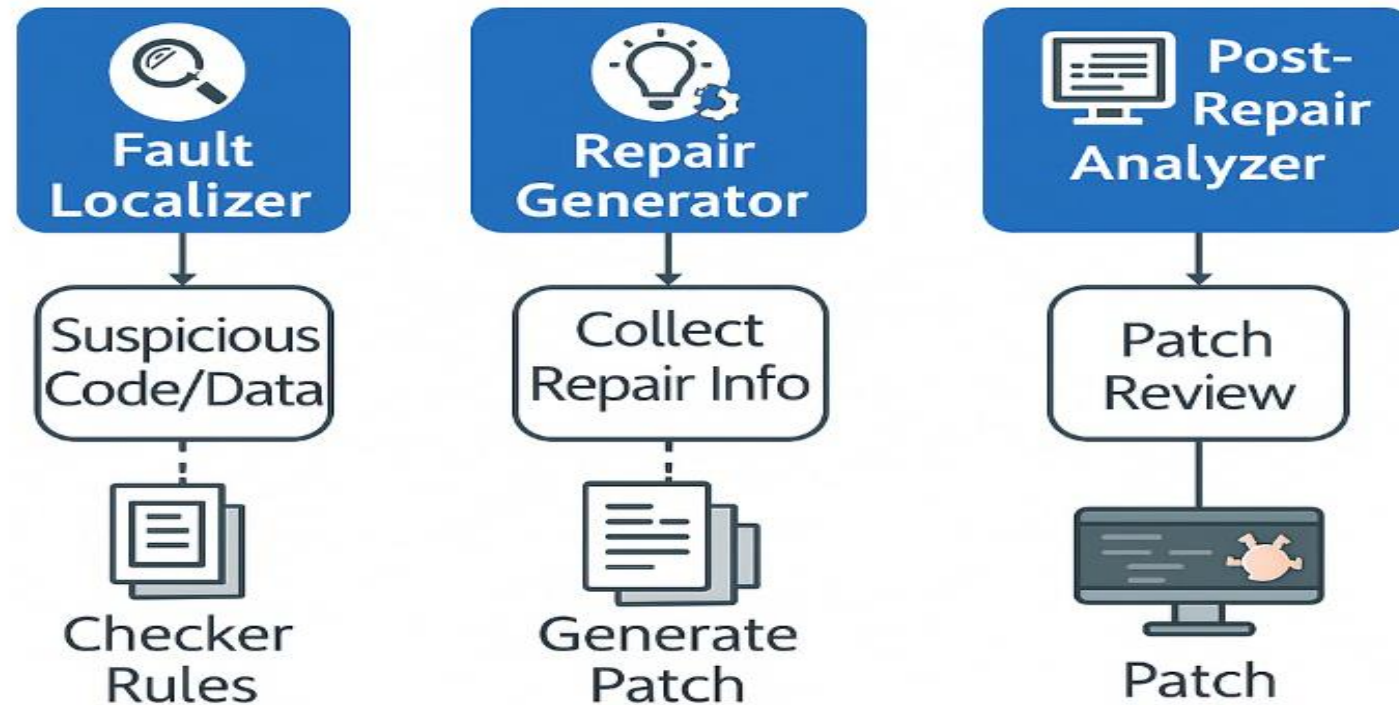
Resource Savings

Achieved over 20% resource savings, significantly reducing manpower and time costs.

Enhanced Code Quality and Team Efficiency

Significantly improved code robustness and standardization, resulting in enhanced system stability, reduced error rates, and easier code maintenance and reuse, which dramatically boosts team collaboration efficiency.

▼ 20%

Our Values Guide Our Work

Individual Level: Integration of Business and Technology to Enhance Personal Capabilities

- **Becoming a "Hybrid Talent"**: Master technical skills while understanding business needs, and applying technology to solve real-world problems.
- **AI as a Support Tool**: AI helps reduce repetitive tasks, allowing individuals to focus on analysis, creative thinking, and higher-value work.

Team Level: From Collaboration to Knowledge Preservation

- **Cross-Functional Collaboration**: AI acts as a "bridge" between business and technical teams, enabling efficient information sharing.
- **Expert Knowledge Preservation**: Leverage AI to convert domain experts' rules into a knowledge base, facilitating future application and improving team efficiency.

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Q & A