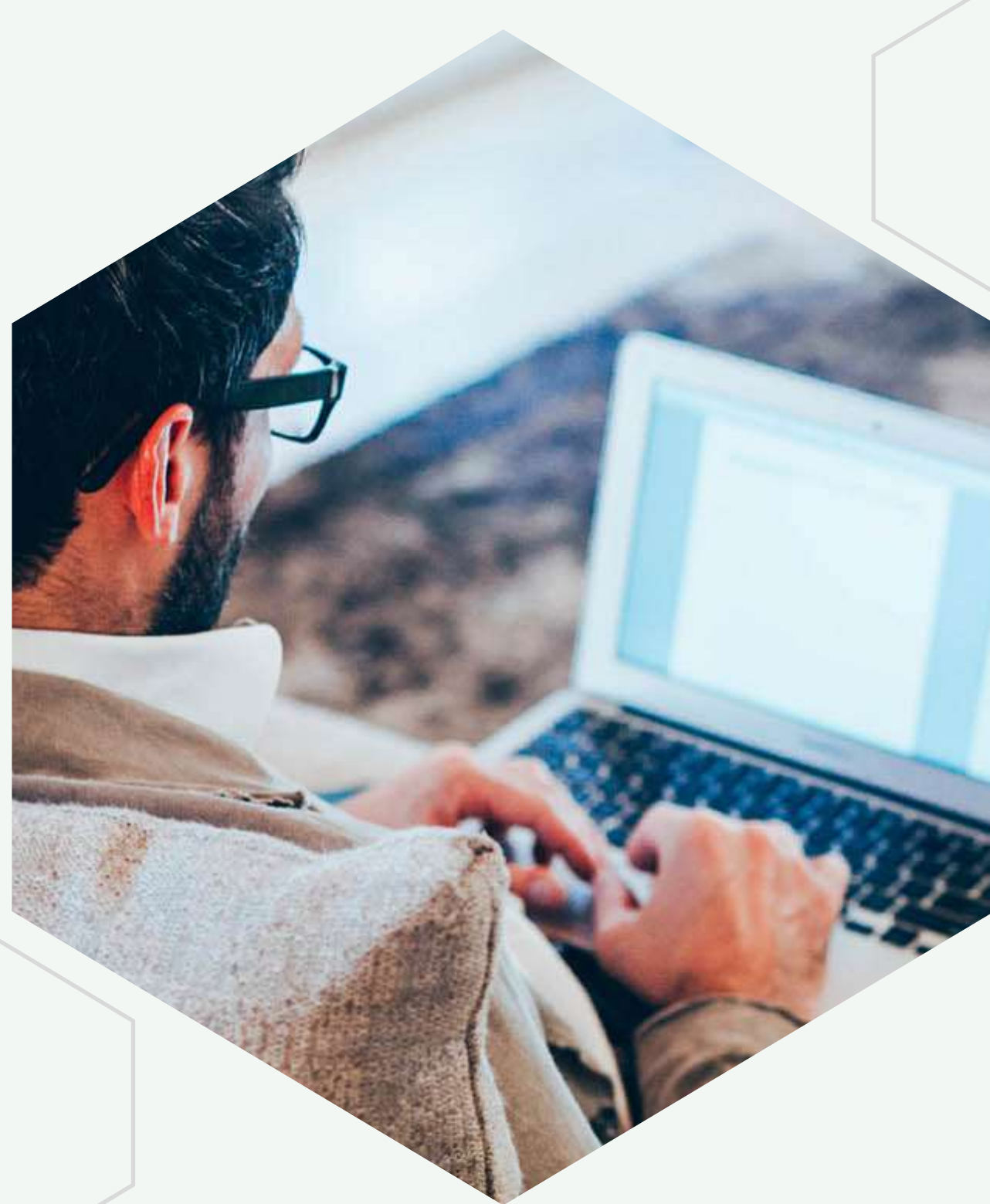


# Case Study

Enhancing Quality for Bank **Financial** with an Independent Verification and Validation (IV&V) Code Review by i3solutions



## The Customer

And Their Challenge

**BankFinancial** is a full-service, community-oriented national bank that offers commercial and business banking, personal banking, and wealth management. They are committed to helping their customers grow their personal wealth and finance, real estate investments, equipment, and businesses. Using the latest technology, they provide innovative banking products and superior customer service designed with their customers in mind.

**BankFinancial** was having a Paying Agency Application developed by a third-party vendor and required an independent verification and validation (IV&V) code review to ensure their objectives were being met. They needed an objective firm like i3solutions to identify and mitigate any risks, ensure quality and compliance and validate that the application was being built based on **BankFinancial's** requirements.



## The Solution

Independent Verification and Validation (IV&V) Code Review

i3Solutions was engaged to provide an IV&V consultation and code review for **BankFinancial's** Paying Agency Application. The team at i3Solutions devised a structured approach to address their challenges:



### Assessment and Planning

i3Solutions initiated the project by conducting a thorough assessment of **BankFinancial's** specific requirements. We worked closely with them to confirm objectives, milestones, and success criteria.



### Code Review

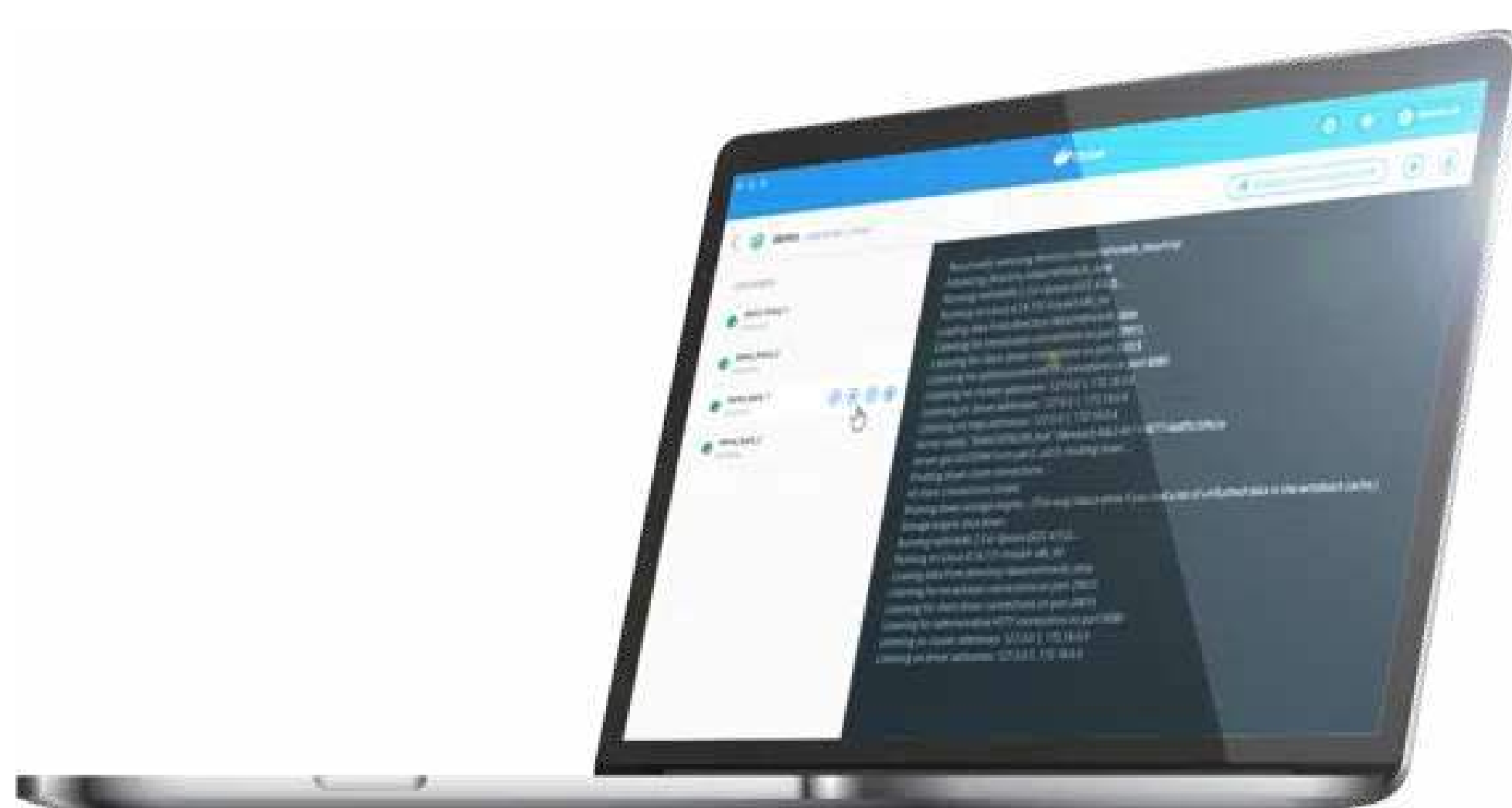
The i3Solutions team utilized state-of-the-art tools and methodologies to perform a comprehensive code review. We identified areas for optimization, security enhancements, and potential vulnerabilities, ensuring the application was robust and reliable.



### Quality Assurance

i3Solutions implemented a rigorous quality assurance process, conducting thorough testing to validate the application's functionality, performance, and security. Automated testing tools and manual testing procedures were employed to ensure the highest level of quality.

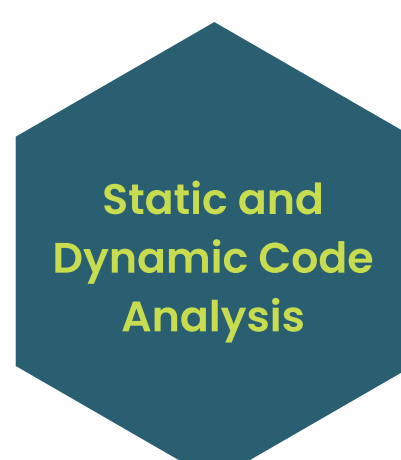
This crucial process added an independent layer of validation and verification to the application's development. **It helped ensure quality, compliance, risk mitigation, and the successful achievement of the project's objectives.** This was particularly valuable to **BankFinancial** because objectivity, quality, and adherence to standards are paramount in the financial industry.



## Technologies

Used in the Solution

i3Solutions relied on over 25 years of development and testing experience to execute the project effectively:



### Static and Dynamic Code Analysis

The i3Solutions team performed a comprehensive code review to identify vulnerabilities and make suggestions on where improvement was needed.



### Testing Frameworks

Testing frameworks were used to systematically evaluate the application's functionality, performance, and security.

## Measurable Benefits and Business Impact

i3Solutions' IV&V code review services played a pivotal role in ensuring the successful development of **BankFinancial's** Paying Agency Application. Our commitment to quality, security, and efficiency had a measurable and positive impact on the application's development process:



### Enhanced Application Quality

The comprehensive code review and quality assurance measures implemented by i3Solutions resulted in enhanced application quality, reducing the risk of errors, crashes, and security breaches.



### Heightened Security

Vulnerabilities and security issues identified during the code review were promptly addressed, significantly reducing the risk of data breaches or unauthorized access.



### Improved Customer Satisfaction

The quality of the Paying Agency Application translated to higher customer satisfaction and confidence in **BankFinancial's** services.



### Increased Cost Savings

By identifying and addressing potential issues early in the project, i3Solutions helped **BankFinancial** avoid costly post-implementation fixes and security breaches.