

A NETHERLANDS-BASED E-COMMERCE PLATFORM STAYS AHEAD OF CYBER THREATS WITH EARLY DETECTION OF SECURITY GAPS

Secure code review | Case Study

ABOUT THE CLIENT

The client, an all-encompassing online store management system, integrates cash register, inventory management, CRM, and repair services alongside website management tools. Recognizing the critical importance of securing digital assets, they prioritize it & thus ensure a seamless and superior customer experience

BUSINESS REQUIREMENT

The client needed to ensure the security of their digital assets by conducting a thorough secure code review. This initiative aimed to identify and mitigate security vulnerabilities within their web and internal APIs, ensuring adherence to security best practices and enhancing overall application security.

AUTOMATED TESTING UTILITIES

- ☑ Semgrep
- ☑ Fortify On Demand
- ☑ Veracode
- ☑ SonarQube

50% Faster Results

40% Lesser Costs

Full coverage on OWASP Top 10, NIST

OUR APPROACH

Secure Code Review: Conducted a thorough analysis and inspection of the application's source code to identify and mitigate security vulnerabilities and weaknesses.

Manual and Automated Analysis: Employed manual examination and automated tools to ensure adherence to security best practices and coding standards.

Software Composition Analysis (SCA): Evaluated open source and third-party components, examining dependencies, libraries, and frameworks for known vulnerabilities and compliance with licensing requirements.

OBSERVATIONS

- Enhanced Security: Identified and remediated critical vulnerabilities, including input validation issues (SQL injection, XSS), authentication flaws, and code injection risks.
- Improved Code Quality: Detected and addressed cryptographic weaknesses, insecure data storage practices, and lack of error handling, ensuring robust coding standards.
- Up-to-date Dependencies: Ensured all third-party components were current, free of known vulnerabilities, and compliant with licensing requirements, enhancing overall application security.