

## FIXING VULNERABILITIES IN ESSENTIAL SYSTEMS

*Securing crucial business operations by identifying, fixing, and validating potential vulnerabilities in applications.*



## E-COMMERCE MANUFACTURER

### Background

This e-commerce vacuum cleaner manufacturer sells vacuums and related products to commercial and retail markets around the world.



# THE IMPACT

**4**  
Applications  
assessed for  
web  
application  
security

**15**  
Vulnerabilities  
discovered in  
e-commerce  
website and  
systems

**90**  
Days  
to remediate all  
discovered  
vulnerabilities

## The Challenge - An Exposed Website

Our client's website had a number of vulnerabilities that, if exploited, could compromise critical sales processes and expose valuable company data. These vulnerabilities included allowing unrestricted file uploads, having images that exposed location and privacy data, forgoing a Content Security Policy (CSP) header, and more. The website was also susceptible to clickjacking and session hijacking.

## The Solution - Identify, Develop, and Correct

In Time Tec used exploitation techniques to find and validate potential vulnerabilities across all systems within the client's scope. A penetration test was then submitted at the end of the engagement and all discovered vulnerabilities were fixed and validated within a 90-day window.

## The Results - A Secure Future

- ✓ Identified root causes for issues within the client's applications.
- ✓ Developed suggestions for dealing with security issues.
- ✓ Fixed and validated 4 high, 9 medium, and 2 low level discovered vulnerabilities.
- ✓ Client no longer faces business disruptions due to security flaws.

## In Time Tec Services Used

Cybersecurity

IT Services

Penetration Testing



*The client no longer needed to worry about business disruptions due to security issues with In Time Tec's help.*



— **John Mathew**  
Cybersecurity Expert

