

CyStack

Data Protection

Security Testing & Assessment

Security Operations

Protect Your Business From Cyber Threats 24/7

Detect vulnerabilities early, safeguard data,
and secure operations, so you can stay focused
on growth with peace of mind



Book a free consultation
with CyStack today



About CyStack

CyStack is a leading cybersecurity company in Vietnam, recognized for its strong R&D capabilities, innovative solutions, and trusted by top enterprises and organizations.

We deliver products and services across three core areas:

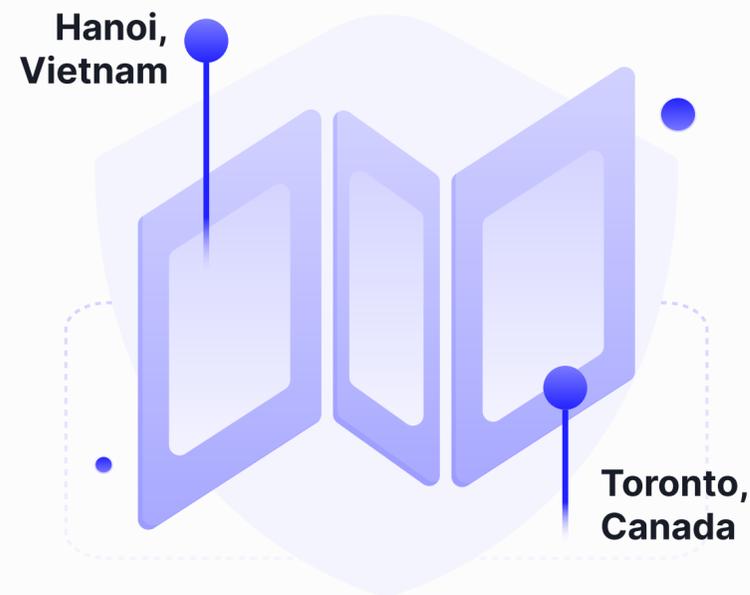
Data Protection

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Global Presence

CyStack was founded in 2017 in Hanoi, Vietnam, and has since expanded with a branch office in Toronto, Canada.



Memberships



International Certifications



40+ Team
security experts

15+ Solutions
security products & services

600+ Customers
business clients

50.000+ Customers
individual users

Diverse range of clients from mid-sized businesses to Vietnam's largest enterprises

See more at cystack.net/projects

Government



Fintech



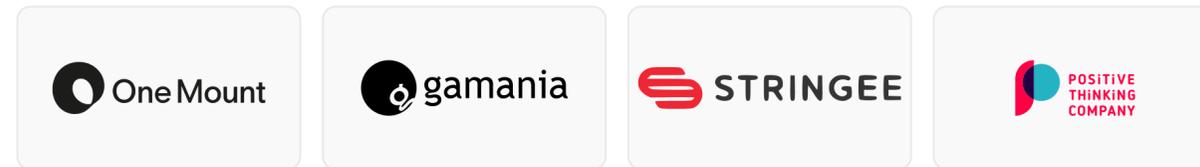
Automotive



Banking



Technology



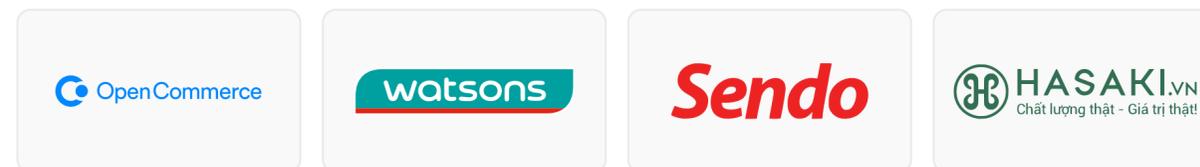
Logistics



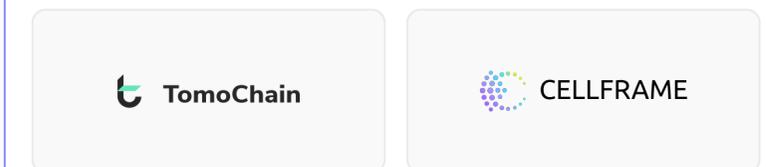
Healthcare



E-Commerce



Blockchain



Our Awards

 **by the Vietnam Software and IT Services Association (VINASA), 2025**

- 5-Star Award for Outstanding Technology Solution (Sao Khue 2025)

 **by Ministry of Information and Communications (Make in Vietnam, 2024)**

- Digital Product Excellence Award in Finance, Banking, Commerce, and Services
- Digital Product Excellence Award for Global Market

 **by Ministry of Information and Communications (Make in Vietnam, 2023)**

- Digital Product Excellence Award for Global Market
- Digital Product Excellence Award for Digital Society
- Promising Digital Product Award

 **by Vietnam Digital Communications Association (VDCA, 2021)**

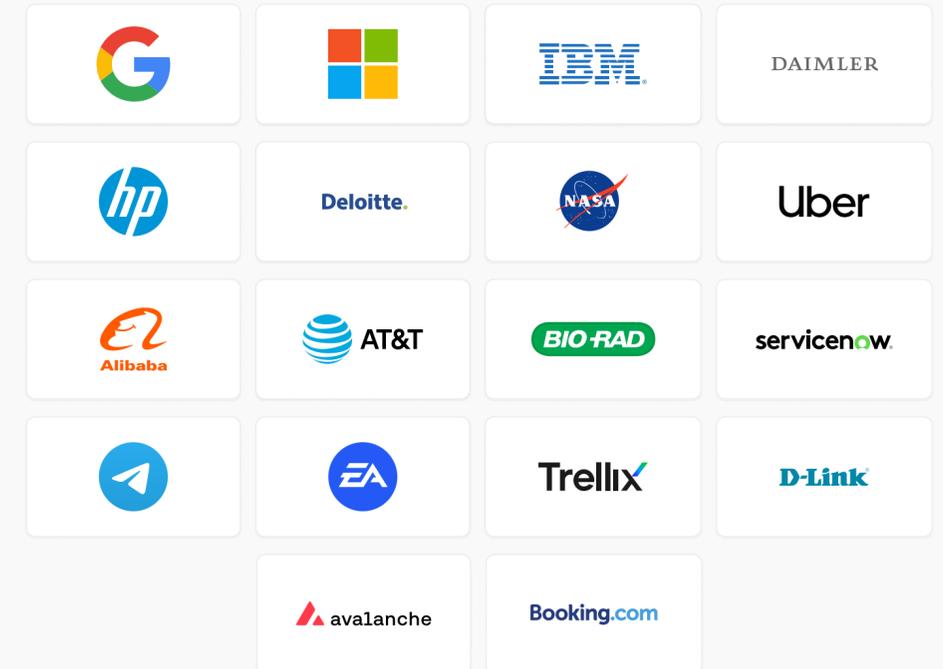
- Digital Transformation Excellence Award

 **by Vietnam Information Security Association (VNISA, 2021)**

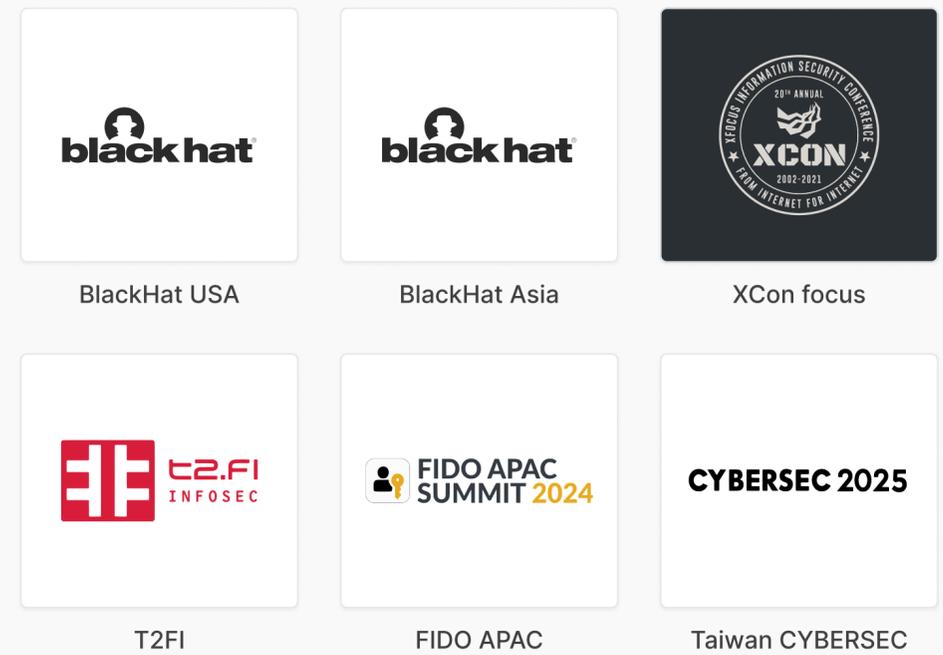
- Promising Digital Product Award
- Outstanding Cybersecurity Platform for Digital Transformation
- Security Platform Excellence Award

Globally Recognized

for contributions in discovering and responsibly disclosing critical security vulnerabilities in key products and services

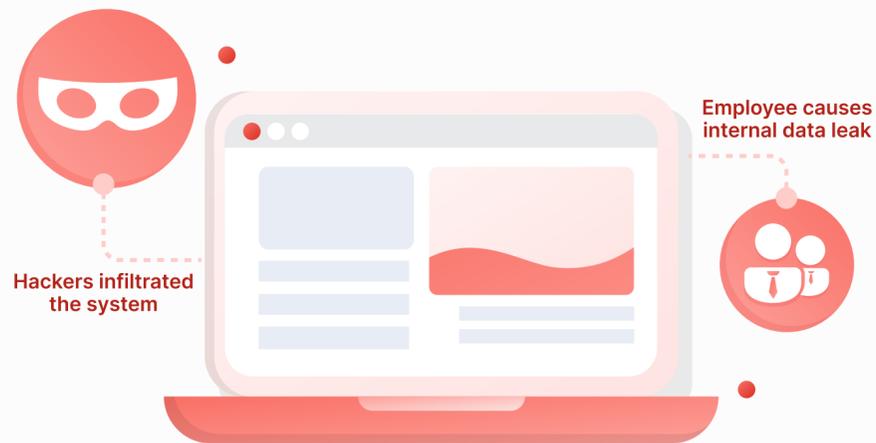


Speaking Engagements



Cyber Risks Are Silently Threatening Your Business Every Day!

Data and systems are the lifeline of every business, regardless of size. Yet threats arise from both inside and outside the organization.



CyStack Solutions

CyStack is more than just technology - we are a trusted long-term partner. We provide optimized, end-to-end security solutions: prevention, detection, and response so you can secure your business the right way, with maximum efficiency.

Testing & Assessment



Penetration Testing
Identify exploitable vulnerabilities



Red Teaming
Simulate advanced attacks



CyStack VulnScan
Automate vulnerability scanning



WhiteHub Bug Bounty
Crowdsource security testing



Cloud Audit
Assess cloud & IT infrastructure risks



Blockchain Audit
Audit smart contracts & protocols

Data Protection



CyStack Endpoint
Manage endpoints & prevent data loss



Locker
Store, manage, and share passwords & secrets



Data Leak Detection
Deliver actionable Threat Intelligence

Security Operations



SOC
Monitor & respond to threats 24/7



Vulnerability Management
Track & remediate vulnerabilities continuously



Security Training
Improve awareness & processes



DFIR
Investigate & resolve incidents

CyStack Solutions

Security Testing & Assessment

Identify vulnerabilities, assess risks, and thoroughly test your system so your business stays proactively protected

Penetration Testing

Simulate real-world cyberattacks on applications, APIs, cloud, or internal systems to uncover vulnerabilities before hackers can exploit them

Bug Bounty Platform (WhiteHub)

Leverage a global network of 4,000+ trusted white-hat hackers to quickly identify security flaws, ensuring high-quality results at optimized cost

Blockchain Audit

Audit and review smart contracts and blockchain protocols to detect logic flaws, privilege issues, and security vulnerabilities

Red Teaming

Conduct advanced APT-style attack simulations to test detection, response, and resilience across multiple layers of the system

CyStack VulnScan

Automatically detect and alert vulnerabilities across websites, IPs, servers, and cloud resources. Integrate with CI/CD for real-time reporting

Cloud Audit

Perform in-depth reviews of network design, system configuration, firewalls, and cloud infrastructure to uncover critical risks

The screenshot displays the WhiteHub interface for a bug bounty program titled 'Hackme'. The program details include a reward of 1,000 USD and participation requirements such as identity verification. A notification from Alex Nguyen indicates a recent submission of a Remote Code Execution vulnerability report. The 'Vulnerability Analysis by Asset' section features a table and a donut chart showing a total of 19 vulnerabilities across various asset types. The 'Risk Types and Severity Levels' section includes a table with severity counts and a corresponding donut chart.

Severity Level	Reward
CRITICAL	4 points 4,000 USD
HIGH	3 points 1,500 USD
MEDIUM	2 points 1,000 USD
LOW	1 point 500 USD

Asset	Count
Browser Extensions	13
Android Applications	4
Others	2

Vulnerability	Count	Severity Level
	5	0 0 1 4 1 0
Server Side Template Injection	4	0 0 3 2 0 0
	4	0 2 1 1 0 0
	3	0 0 2 2 0 0
Cross Site Request Forgery	2	0 1 1 0 0 0
	1	1 0 0 0 0 0

CyStack Solutions

Data Protection

Protect endpoints, control access, manage passwords, and monitor for data leaks to safeguard your business



Endpoint

CyStack Endpoint

Centrally manage devices, monitor user activity, control access, and prevent data loss across desktops, laptops, and mobile devices



Locker

Locker Password and Secrets Manager

Manage passwords, API keys, tokens, and secrets for individuals, businesses, and developers. Encrypt storage, enable safe sharing, and enforce access control



Data Leak Detection

CyStack Data Leak Detection

Continuously monitor dark web, hacker forums, and public sources to detect exposure of sensitive data, with support for remediation and takedown

CyStack Solutions

Security Operations

Deliver 24/7 monitoring, vulnerability management, incident response, and training - enabling your business to stay continuously secure

Vulnerability Management

Detect, classify, prioritize, and track vulnerabilities continuously. Combine with real-time remediation reports to reduce risk and accelerate response

Security Operations Center (SOC)

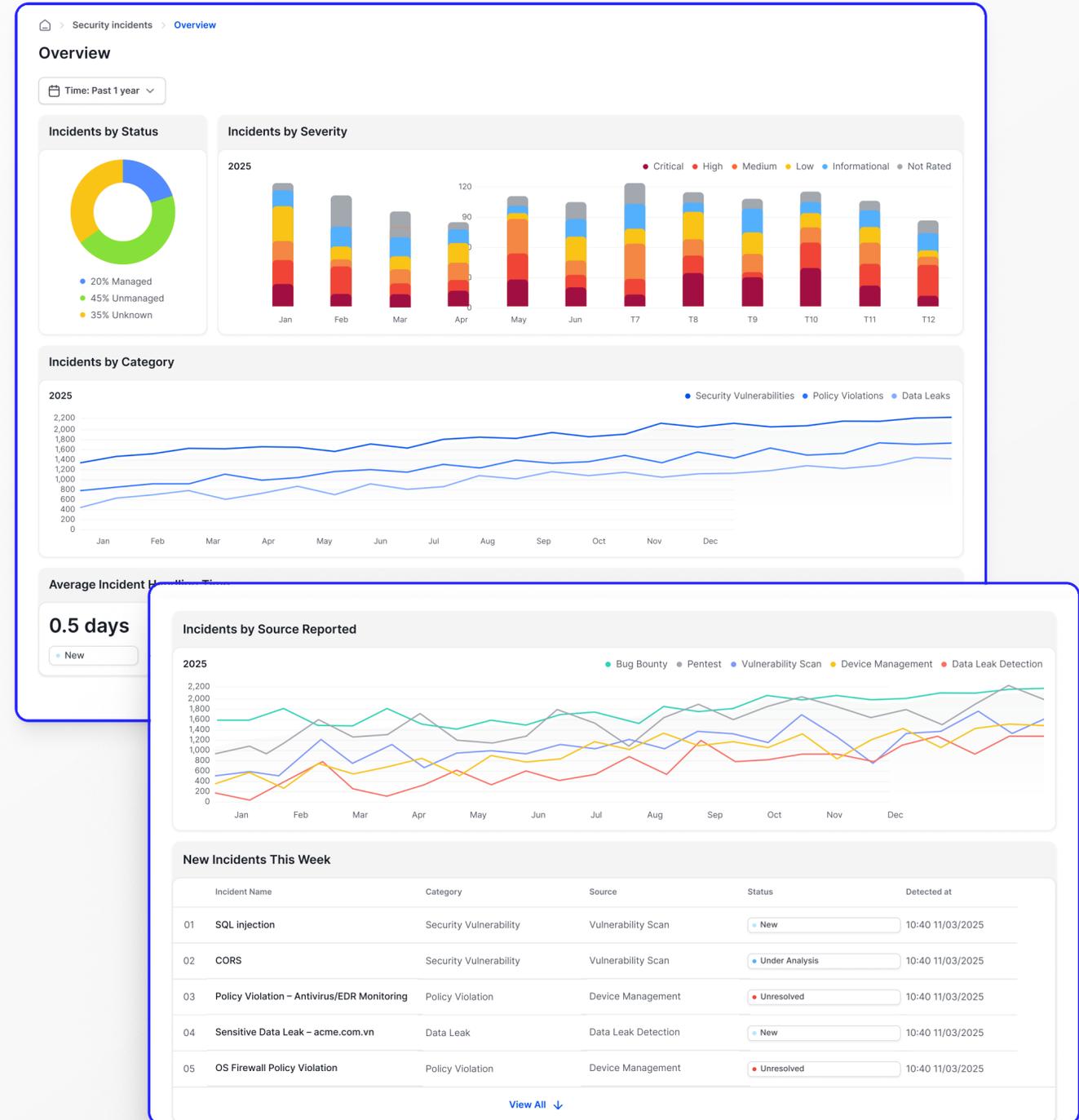
Monitor 24/7, detect threats, and respond in real time with advanced alert analysis and in-depth investigations

Digital Forensics & Incident Response

Respond quickly to cyber incidents and perform in-depth investigations to trace root causes, entry points, and impacted systems

Security Training

Deliver hands-on training for both technical and non-technical staff in secure coding, phishing detection, incident handling, and more



What Makes CyStack Different ?

As both security experts and software developers, we understand how systems are designed, built, and exploited - enabling us to identify risks with precision



Technology-Driven Security Management

A centralized platform that helps you:

- Manage vulnerabilities and track remediation progress
- Monitor in real time with AI-powered insights
- Ensure transparency, consistency, and maximum risk control

→ Empower leaders with full visibility and faster decision-making



Hack & Dev Expertise Combined

We merge hacker mindset with developer experience:

- Understand systems like developers, uncover real-world risks
- Deliver practical, operation-ready solutions
- Go beyond reporting issues to ensure your business runs safely

→ Turn security into business value with less disruption and cost



Community-Powered Security

WhiteHub - Vietnam's leading bug bounty platform with 4,000+ experts:

- Connect businesses with a high-quality security community
- Detect and fix vulnerabilities 3.5x faster than traditional methods
- Tailor programs to fit each company's unique needs

→ Leverage diverse expert communities for faster, better fixes



World-Class Security Experts, Proven Impact

Our cybersecurity team is globally recognized for their proven expertise:

- Speakers at top security conferences: BlackHat USA, CYBERSEC, and more
- Featured in the Hall of Fame of IBM, Microsoft, NASA, D-Link, and others for uncovering critical vulnerabilities
- Experience securing organizations across multiple industries

→ Achieve real results with proven, hands-on security experts

Customer Success Story with CyStack's Security Services



Agribank is Vietnam's largest state-owned commercial bank, ranked among the **Top 200 global banks** and a key member of the Vietnamese banking **Big Four**.

With over 2,300 branches, 40,000+ employees, and 20+ million customers, Agribank plays a pivotal role in rural finance and leads the digital transformation of Vietnam's banking sector.

01 / Challenges

As a bank with a large-scale distributed system, Agribank faces multiple challenges in securing both business applications and operational infrastructure

- ❗ Securing custom, third-party-integrated applications
- ❗ Auditing large, distributed infrastructure
- ❗ Reducing network exposure from open services
- ❗ Automating regular vulnerability scans
- ❗ Detecting hidden logic and configuration flaws

03 / CyStack's Solutions

CyStack partnered with Agribank to conduct hands-on security testing and hardening for critical applications and infrastructure, meeting banking industry security standards

- 💡 Penetration Testing
- 💡 Infrastructure Hardening
- 💡 Vulnerability Scanning

02 / Deployment Scope

📖 Web & API Applications

- Internal Management Systems & Portals
- Bilateral Payment System
- IPCAS Interbank Connection

📖 System Infrastructure

- Servers & Operating Systems (Linux/Windows)
- Network Devices & Segmentation
- Database Servers (DB Servers)

04 / Results

- ✅ Detected and resolved Critical vulnerabilities before exploitation
- ✅ **70%** reduction in attack surface through real-world attack simulations
- ✅ **50%** savings in time and cost for infrastructure fixes
- ✅ **100%** systems passed CyStack's security certification, supporting audits and compliance validation

Customer Success Story with CyStack's Security Services



dzcard is among the **Top 10 global smart payment card providers**, with over 50 years of experience, producing **65+ million cards** annually, and presence in **40+ countries**.

The company provides a wide range of products such as banking cards, EMV chip cards, biometric cards, contactless cards for banks, financial institutions, governments, and telecom providers.

01 / Challenges

dzcard must maintain an extremely high level of security across its entire production and operations chain.

- ⚠️ Secure connected systems from advanced cyberattacks via supply chain and embedded software
- ⚠️ Detect and fix security flaws early
- ⚠️ Prevent fraud, cloning, and tampering in card production
- ⚠️ Meet global standards for card issuance
- ⚠️ Ensure audit readiness and traceability

02 / Deployment Scope

CyStack has strictly secured dzcard's card issuance core systems, which handle sensitive data and connect directly to global payment networks, including:

- 📖 System architecture
- 📖 Key management
- 📖 Update pipeline
- 📖 Desktop-integrated hardware apps

03 / CyStack's Solutions

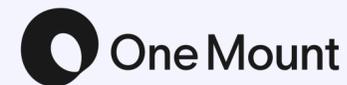
Penetration Testing via Whitebox and Graybox approaches:

- 💡 **Whitebox Pentest:** Detect business logic, cryptographic flaws, and boost PCI DSS compliance
- 💡 **Graybox Pentest:** Simulate real-world attacks using user-level access and threat scenarios

04 / Results

- ✅ **100% architecture** reviewed early to identify weaknesses and harden security pre-deployment
- ✅ **DCDR (Data Center Disaster Recovery)** system designed to meet recovery standards, ensuring backup and fast restoration
- ✅ **Cryptographic flaws** detected and fixed, enhancing system security and performance
- ✅ **100% PCI DSS** compliance with system-level reporting, clear risk classification & remediation

Customer Success Story with CyStack's Security Services



Founded in 2019 by Masan Group, Techcombank, and Vingroup, **OneMount** is Vietnam's leading digital ecosystem. It connects millions of users and SMEs across retail, fintech, and real estate sectors.

Key platforms:

- **VinShop**: B2B commerce platform for convenience stores.
- **VinID**: Loyalty and e-wallet application.
- **OneHousing**: Integrated real estate platform.

01 / Challenges

- ! Keep up with rapid product evolution and ecosystem complexity
- ! Detect security gaps internal tests may miss by leveraging hacker perspectives
- ! Test in live production environments to reflect real-world risks
- ! Respond instantly to new vulnerabilities via continuous monitoring
- ! Meet global standards (e.g. PCI-DSS) for user data and integrated financial services

03 / CyStack's Solutions

- 💡 **Managed Bug Bounty** with 4,000+ vetted researchers via WhiteHub
- 💡 Rapidly detect real-world threats in production, validate fixes, and ensure transparency through expert triage

02 / Deployment Scope

OneMount's key platforms need to address critical security risks at scale.

- 📖 **VinID**: A loyalty and digital wallet app for WinMart/WinMart+ customers, enabling point accumulation, cashless payments through VinID Pay, and bill/mobile top-up features
- 📖 **VinShop**: A B2B platform supporting small retailers with supplier access, flexible ordering, convenient payments, and promotional programs

04 / Results

- 🛡️ **3,5x** more critical issues detected vs. traditional pentests
- 🛡️ **< 48 giờ** to identify and resolve first critical vulnerabilities
- 🛡️ **100%** of issues remediated with clear guidance
- 🛡️ **\$380 avg. cost per critical bug** - significantly lower than global breach costs (~\$4.45M, IBM 2023)

Customer Success Story with CyStack's Security Services



Cellframe is a next generation European blockchain platform featuring quantum-resistant security.

It enables fast, secure decentralized application deployment and is trusted by governments and enterprises in telecommunications, finance, and IoT.

01 / Challenges

Cellframe faced several critical security challenges before launch:

- ❗ Conducting mandatory security audit within 2 weeks
- ❗ Verifying quantum-resistant protocol and cross-chain compatibility
- ❗ Detecting vulnerabilities in customized source code
- ❗ Simulating account takeover attacks to assess systemic risk
- ❗ Ensuring scalability, compatibility, and cross-chain integration without compromising security

03 / CyStack's Solutions

CyStack deployed a complete security strategy, combining expert-led audits with crowdsourced testing:

- 💡 In-depth **Smart Contract Audit** performed by CyStack's elite team
- 💡 **Managed Bug Bounty** program on WhiteHub, engaging 4,000+ vetted researchers
- 💡 **Blockchain protocol audit** and testing

02 / Deployment Scope

CyStack delivered end-to-end protection across key components of the Cellframe platform:

- 📖 Open-source blockchain framework
- 📖 AI modules and consensus algorithms
- 📖 Smart contract logic and blockchain protocol configuration
- 📖 Frontend applications integrated with blockchain interfaces
- 📖 Control infrastructure, firmware, and IoT hardware

04 / Results

- ✅ **94%** of reported issues accepted
- ✅ **24%** of findings classified as Critical/High
- ✅ **<48** to identify and address the first critical issue
- ✅ **100%** of confirmed vulnerabilities were remediated
- ✅ **\$78,500** in bounties awarded within 2 weeks - driving active participation from top security researchers

Leading Contributions to Security Communities

viettel

Viettel is Vietnam's largest telecom and technology group, leading the mobile market (~60% share).

The company operates in **11 countries** across three continents; its international arm serves **90M+ customers** and ranks **No. 1 in 7 of 10 overseas markets**.

In Vietnam, Viettel has been repeatedly recognized by Ookla as the **No.1 provider for mobile network speed and fixed broadband**, underscoring its leadership across core digital infrastructure.

01 / Challenges

Viettel owns many different software and technology solutions

- ⚠ Large attack surface, with many layers of infrastructure and services such as telecom, IoT, digital applications,...
- ⚠ Risk of supply chain attacks and dependence on third parties
- ⚠ Internal solutions operate continuously, with a large daily active user base and no downtime allowed
- ⚠ Pressure to comply with information security requirements

02 / Deployment Scope

Detecting vulnerabilities across Viettel's platforms

- 📖 Applications and platforms on mobile devices
- 📖 Viettel Corporation's services and digital platforms
- 📖 Cloud ecosystem or Internet-facing assets
- 📖 Vulnerabilities related to Viettel's software supply chain
- 📖 Firmware infrastructure and IoT hardware

03 / CyStack's Contributions

CyStack's security experts contributed to the discovery and support of vulnerability remediation for Viettel

- 💡 **Directly searched for and tested vulnerabilities** across many of Viettel's platforms (ePass, Viettel Cloud, Viettel Money,...)
- 💡 **Reported new vulnerabilities** through Viettel Corporation's bug bounty platform
- 💡 **Supported the provision of PoC, validation, and retesting** for the software development teams of Viettel Group

04 / Results

#1 security expert team on the platform

- ✅ **~90** vulnerabilities were accepted by Viettel, with extra new vulnerabilities continue to be discovered
- ✅ **1800+** contribution points
- ✅ **100%** of confirmed vulnerabilities were remediated



Your Trusted Security Partner

CyStack is more than a product or project-based vendor. We are your long-term security partner - from **consulting** and **roadmap design** to **implementing** optimized solutions for data protection and system security. So you can focus on growth with confidence and peace of mind.

[Book a free consultation with CyStack today](#)



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